Amritjot Singh

Software Engineer

✉ aj044223@gmail.com 📞 +61420291207 🔗 amritjot-singh4322 📍 Victoria, Australia 🔗 amritjot.in 🔗 amritjot1266_be1

👤 PROFILE

Passionate and versatile programmer with expertise in Python, C++, C#, Java, and Rust. Currently pursuing a Master of Data Science (Professional) at Deakin University, Melbourne. Specializes in high-performance applications, dynamic web solutions using the MERN stack, and server-side development with Nest.js. Holder of blockchain certifications with hands-on experience in developing and deploying smart contracts in Solidity for decentralized applications. Achieved notable improvements in system performance and security through innovative projects. Driven by a commitment to learning and adapting to new technologies, with a proven ability to deliver impactful solutions in fast-paced environments.

🎓 EDUCATION

07/2024 – 08/2026
Melbourne, Australia

Master of Data Science (Professional), *Deakin University*
- Currently studying

07/2020 – 07/2024
Himachal Pradesh, India

Bachelor of Engineering in Computer Science Engineering, *Chitkara University*
- CGPA 9.51

🧠 SKILLS

Python | Django | MERN Stack | Nest js | Rust | C++ | AI | Blockchain | Solidity | AutoCAD

AWS | Smart Contract | C# | Java | HTML | JavaScript | R lang | DApps | Machine Learning | Redis

RESTful APIs | Web3 js | Rabbit MQ

🧩 SOFT SKILLS

Management | Teamwork | Leadership | Quick learner | Time management | Problem-solving

Customer service | Cross-cultural communication | Student engagement | Mentorship & career guidance

Product Management

💼 PROFESSIONAL EXPERIENCE

01/2024 – 06/2024
Mohali, India

Software Engineer Intern, *Antier Solutions* 🔗
- Mastered new **coding languages** and **refined coding style**.
- Contributed to **AI/ML projects**, enhancing overall system efficiency by 20%.
- Collaborated in a dynamic IT environment, **developing solutions** that met client requirements.

07/2023 – 12/2023
Mohali, India

Full Stack Developer with BlockChain Training, *Antier Solutions*
- Received intensive **blockchain training** at the Antier School of Blocktech (ASB).
- Contributed to **backend development**, improving transaction processing speed by 15%.
- Refined **presentation skills** through regular **client interactions** and **project demonstrations**.

Backend Developer (Remote), *Occultus*
- Designed an **executable tool** in **C#** to automate cost estimation of 3D products based on material and specifications.
- Integrated with **SolidWorks**, enabling **real-time cost evaluation** directly from CAD designs.
- Improved workflow **efficiency and accuracy**, delivering a **practical solution** for Occultus.

🏅 CERTIFICATES

IBM AI Developer (Professional) 🔗
Issued by IBM
Date: Dec 4, 2023

Blockchain Specialization 🔗
Issued by University at Buffalo
Date: Oct 26,2023

Advanced Web Development 🔗
Issued by Coding Ninjas
Date: September, 2021

📁 PROJECTS

03/2024 – 05/2024

Note Wallet, *Cryptocurrency Wallet*
- Implemented **gRPC communication** between multiple backend servers to enable efficient and seamless data exchange.
- Integrated various APIs to support critical features and enhance the functionality of the frontend application.

03/2024 – 05/2024	**ConnectUs,** *Chatting App* ⧉
	• Developed a cutting-edge chat application using React, Node.js, MySQL, and Socket.IO ⧉ .
	• Ensured fast, reliable, and secure messaging with robust encryption.
	• Emphasized real-time communication and scalability for seamless user connections.

12/2023 – 03/2024   **BlockAgile,** *Jira Inspired Application* ⧉
- Built a JIRA-inspired project management platform using Django, PostgreSQL, and Next.js.
- Extended functionalities with open-source Plane application and ensured seamless microservices integration.
- Utilized Redis for performance enhancement and Docker for deployment.

11/2023 – 12/2023   **GamersNest,** *Game buying platform* ⧉
- Contributed to backend development and smart contracts integration.
- Collaborated with cross-functional teams to deliver robust features, achieving [specific achievement].

10/2023 – 01/2024   **Multi-Model Object Detection Projects**
- Led a project implementing advanced AI models (YOLO, Fast R-CNN, CVZone, SSD, EfficientDet) for image and video object detection.
- Conducted comprehensive evaluations and optimizations for speed and accuracy.

07/2023 – 11/2023   **Smart Contracts**
- Specialized in crafting secure and efficient smart contracts through Solidity.
- Designed contracts for various blockchain applications including Marketplaces, NFTs, ERC20, and ERC721.
- Ensured transparent transactions in decentralized networks, showcasing blockchain expertise.

05/2023 – 07/2023   **iNotebook - MERN Stack** ⧉
Designed and developed iNotebook, a feature-rich web application using the MERN stack, providing users with a seamless platform to create, add, update, and manage their notes. This digital notebook serves as a personal to-do list, enabling users to log in and access their notes from anywhere, at any time.

04/2022 – 08/2022   **Cost Estimation Tool,** *Single Executable File*
- Developed an innovative **API** to automate 3D product cost estimation, integrated with **SolidWorks**.
- Enabled real-time, precise cost analysis, revolutionizing traditional 3D design workflows.
- Streamlined processes, showcasing expertise in **API development**, automation, and efficiency optimization.

10/2022 – 11/2022   **TextUtils,** *Text Manipulation and Analysis Tool* ⧉
- Designed a **text utility application** using **HTML, CSS, JavaScript, Bootstrap, and React.js**.
- Implemented features like **word count**, text transformation, and capitalization for enhanced text customization.
- Delivered a user-friendly interface enabling seamless text analysis and editing.

🧩 VOLUNTEER

11/2024 – present
Australia

DUSA Volunteer, *Deakin University*
- Participated in DUSA organised events in the university and foster my communication and engagement skills.
- Volunteer in organising Diwali celeration event at Deakin University, Waurn Pond Campus

08/2021 – 06/2023
India

National Service Scheme (NSS), *Chitkara University*
- Organized and led over 50 community-focused events, fostering an inclusive environment that encouraged student participation and engagement.
- Demonstrated strong leadership and organizational skills by planning and executing events ranging from single-day initiatives to multi-day programs.
- Coordinated logistics, managed teams, and promoted volunteerism among students, developing a supportive network and enhancing community involvement.
- Engaged with diverse groups, building cross-cultural understanding and fostering collaboration among students.

07/2021 – 05/2023   **Staccatos (Dance Club),** *Chitkara University*
- Performed in **flash mobs** and various university dance events, promoting energy and creativity through dance.
- Contributed to the club's vibrant culture by collaborating on choreography and event organization.

08/2021 – 06/2023
India

Tmashbeenz (Theatre Club), *Chitkara University*
- Actively participated in **street plays** addressing meaningful and socially relevant themes to raise awareness.
- Played diverse roles, showcasing versatility and a deep commitment to impactful storytelling.

🧩 ACHIEVEMENTS

- **GovHack 2024 Finalist**: Contributed to a high-performing team that advanced to the finals in Australia's premier open data hackathon

- Served as **Cultural Head** in Chitkara University's NSS unit, **organizing** inclusive **events** that fostered **community engagement and student involvement.**

- Led a **top 10 team** in the Great India Hackathon, applying **collaborative skills** to succeed in a **competitive, team-based coding challenge**

- Successfully **organized various event**s at university, including **single-day events** and a **seven-day annual camp** for around 200 students. Demonstrated **strong leadership, planning**, and **coordination skills.**

🧩 REFEREES

Available on request