Azharuddin Malik

Chandigarh University, Mohali

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Education

Chandigarh University	**Aug. 2025 – Present**
Bachelor of Engineering in Computer Science - 7.43 CGPA Present	*Mohali, Punjab*
Andhra Education Society High School & Jr College	**April 2019 – March 2021**
Higher Secondary Certificate – 77.8% percentage	*Mumbai, Maharashtra*
Andhra Education Society High School & Jr College	**April 2017 – March 2019**
Secondary School Certificate – 61.6% percentage	*Mumbai, Maharashtra*

Relevant Coursework

- Java Programming
- Data Structures
- Algorithms Analysis
- Database Management
- Operating Systems
- Computer Networking
- OOPs

Technical Skills

- **Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, SQL
- **Frameworks/Libraries:** Bootstrap, Spring Boot, Angular, Hibernate, JUnit
- **Developer Tools:** Android Studio, Git, GitHub, Google Cloud Platform, IntelliJ
- **Databases:** MySQL, JSON

Experience

Malik Art Décor   *April 2023 – Present*
Marketing & Admin Assistant   *Jaipur, Rajasthan*

- Created GST-compliant invoices, quotations, and official letters for clients and vendors.
- Designed festival posts, logos, and digital templates for branding and promotions.
- Assisted in daily business tasks and client coordination for interior design projects.

Certifications

IBM Full Stack Software Developer Specialization   *Coursera*

- Web Development, Git, Github, Python, Django, React.js, Node.js, Express.js, SQL, NoSQL, MongoDB, Microservices

Angular Developer Program   *Infosys-springboard*

- Angular Framework, TypeScript, HTTP Communication, UI Components.

Deep Learning and Reinforcement Learning   *IBM (via Coursera)*

- Python, TensorFlow, Neural Networks, CNN, RNN, LSTM, Q-Learning, Policy Gradient, Deep Q-Networks (DQN), PyTorch.

Projects

URL Shortening System (XURL) / *Java, Hash Map, SpringBoot, REST API*   *June 2024*

- Developed a full-stack URL shortening web application with custom alias support and domain selection using Spring Boot and REST APIs.
- Implemented responsive, themed UI with animated login/signup modals and session-based authentication using local Storage.
- Integrated MySQL + Hibernate for persistent short-long URL mappings and user credential management, with future-ready JWT compatibility.

Urban Insight: Satellite Image Segmentation / *Python, Flask, TensorFlow, TailwindCSS, OpenCV, Render*   *January 2025*

- Developed a semantic segmentation model using U-Net to classify aerial imagery into buildings, roads, vegetation, and water with 92% accuracy.
- Built a responsive web interface enabling drag-and-drop uploads, mask overlay sliders, confidence heatmap visualization, and class-based legends.
- Deployed the end-to-end platform on Render using GitHub CI/CD, enabling fast and scalable access to AI-powered urban analysis tools.

LiveOCR / *Python, Flask, OpenCV, JavaScript, Docker*   *May 2025*

- Developed a web-based OCR application for real-time text extraction from images using Tesseract and OpenCV.
- Implemented memory-efficient, in-browser image processing without disk storage, improving performance and deployment speed.
- Containerized the app with Docker and deployed on Render with 91% OCR accuracy and modern responsive UI.

Achievements

- Topper in consecutive NPTEL exams: Internet of Things (IoT), Introduction to Programming Through C++, and Discrete Mathematics