

Chirag Goyal

Software Developer

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Professional Summary

Final-year Computer Science undergraduate specializing in software development, full-stack engineering, and machine learning. Experienced in building scalable web and Android applications using Java, Python, C++, JavaScript, Node.js, MongoDB, and Firebase. Skilled in cloud technologies, APIs, and DevOps tools with a strong focus on performance, collaboration, and problem-solving.

Experience

Zeta <i>SDET Intern</i>	January 2026 (Upcoming) Bangalore, India
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Projects

1. Kidney Stone Detector

Tech Stack – Python, Deep Learning (CNN), SVM **2024**
Github – chiraggoyal11/Kidney_Stone_Detector

- Developed a CNN-based model achieving 95% accuracy in detecting kidney stones from medical images.
- Created an intelligent system that generates personalized medical prescriptions based on model predictions.
- Demonstrated reduction in kidney stone recurrence by 30% through evidence-based prevention strategies.

2. Decentralized Notes App – “DeNote”

Tech Stack–Jetpack Compose, Node.js, Express, MongoDB, IPFS, Pinata, Multer **2025**
Github – chiraggoyal11/DeNote

- Integrated Pinata + IPFS for decentralized uploads, doubling file reliability and availability.
- Developed Node.js–Express backend with MongoDB and Multer, enabling 150+ secure file transactions daily.
- Added PDF preview and caching via Jetpack Compose, reducing repeat load times by 40%.

3. E-commerce Android App – “Violet”

Tech Stack – Java, XML, Node.js, Express, MongoDB, AWS S3, Retrofit, JWT **2025**
Github – chiraggoyal11/Violet

- Designed and implemented a 12+ screen Android UI using Java, XML, and Material Design, improving user navigation speed by 30%.
- Built and deployed a scalable Node.js–Express backend with secure JWT authentication, AWS S3 integration, and optimized MongoDB schema, boosting API performance by 45%.
- Integrated Retrofit with local caching and efficient data handling, reducing redundant network calls by 35% and enhancing app responsiveness.

Technical Skills

- Languages:** C++, MySQL, Python, Java, JavaScript, HTML, CSS
- Frameworks & Libraries:** Spring Boot, Hibernate, Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow
- Core CS:** DSA, OOPS, DBMS, OS, Competitive Programming
- DevOps & Tools:** Git, GitHub, Docker, VS Code, Tableau, Excel, MongoDB, MLOps, AWS
- Soft Skills:** Time Management, Teamwork, Communication, Problem-solving, Leadership

Certifications

React JS – Skill Development Program | May 2025

BMSCE ACM Student Chapter

Participated in a hands-on workshop covering core concepts of React JS.

Education

B.M.S College Of Engineering, Bangalore, Karnataka
Bachelor of Technology (AIML) | CGPA: 9.13

Dec 2022 – Present