Devansh Chauhan

Bengaluru, Karnataka

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Personal Profile

A graduate student in the Computer Science and Engineering programme. Dedicated to software engineering, having two or more years of expertise, and specializing in native android development, full-stack development, algorithms, and machine learning.

Education

Chandigarh University	*Mohali, Punjab*
Bachelors of Engineering in Computer Science and Engineering	*Aug 2020 - June 2024*
Delhi Public School	*Dhanbad, India*
Intermediate	*April 2017 - May 2019*
Delhi Public School	*Dhanbad, India*
Matriculation	*Apr 2015 - Mar 2017*

Experience

Arihant Auto — *August 2024-Present*
Freelance Mobile Developer | Fullstack Developer

- Developed and maintained a full-stack transaction management platform using React.js (frontend) and PHP + MySQL (backend), enabling QR/manual transaction creation, part-payment support, and auto-generated transaction IDs.
- Resolved critical bugs in transaction workflows by implementing dynamic ID generation, fixing DOM-to-image rendering with dom-to-image-more, and ensuring real-time state syncing between form inputs and server responses.
- Engineered a backend-safe image upload and generation pipeline that preserves transaction metadata and watermarking, storing images in standardized formats.
- Introduced intelligent validation layers across both frontend (React state/UX) and backend (PHP APIs), improving reliability and reducing transactional inconsistencies by 100%.

Projects

Sentiment Analysis using N-grams — *Mohali, Punjab*
Chandigarh University — *Sep 2023 - Mar 2024*

- Analyzing data from X(formerly Twitter) and Instagram and discover patterns in the data that show trends between various human emotions, the data was passed through 5 different models with and without N-grams.
- Study how N-grams affects the accuracy of each model and observed a 5-10 percent accuracy increase among each model.
- Specific case studies were traced back to trends seen in previously published research papers and journals.
- **Technical Skills:** Python, Machine Learning, NLP
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Health Vision — *Mohali, Punjab*
Chandigarh University — *Feb 2023 - Aug 2023*

- Architected and developed a user-centric medication management application with a focus on timely dosage reminders, fostering improved adherence.
- Successfully integrated a prescription upload feature, empowering users to effortlessly monitor and manage their medication inventory within the Android application.
- Pioneered a sophisticated functionality enabling seamless communication between users and healthcare providers, allowing the sharing of comprehensive medication details
- **Technical Skills:** Kotlin, Android, Firebase.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

Skills

Programming	Kotlin, C/C++, React.js, Python, SQL, PHP, Node.js
Miscellaneous	LaTeX (Overleaf/R Markdown), Microsoft Office, Firebase, UI/UX Designing
Soft Skills	Time Management, Teamwork, Problem-solving, Leadership, Documentation, Engaging Presentation.

Publications

Devansh Chauhan (2024). *Chapter 47*: *Mood Prediction Using Social Media Data.* Emerging Trends in IoT and Computing Technologies [https://doi.org/10.1201/9781003535423]

Certifications

Android Fundamentals using Kotlin	**AWS Cloud Solutions Architect**
Internshala	*Coursera*
Computer Organization & Architecture	**Software Testing**
NPTEL	*NPTEL*