Ayush Choudhury

✉ ayushchoudhury1990@gmail.com | 🔗 Ayush | ⬡ ayush-150101 | Ⓖ ayush | 📞 +91 9002476413

Skills

Software Development Engineer, Web Apps, Android/IOS app development and deployment using Flutter, API development using NodeJs.

Languages: C/C++, Java, Python, Dart, Embedded C, SQL

Frameworks: Flutter, Node.js, React

Libraries: MongoDB using Node.js, Numpy, MatplotLib, Firebase Tools

Cloud Services: AWS

AI/ML Algorithms:Linear Regression, Logistic Regression, KNN

Work Experience

Capsa Technologies Inc., Remote

Software Development Engineer   **July 2023 – Current**

Tech Stack: **Flutter, Node.js**

- **Enhanced platform security** by developing a comprehensive code library, encryption of sensitive data leading to a 40% improvement and eliminating data breaches.
- **Optimized system performance** by adhering to MVVM structure for Flutter and appropriate use of state management **(Provider)**, reducing login times by 50%, and boosting user retention by 30%.
- Conducted over 200 code reviews, ensuring a 95% adherence rate to coding standards, which improved code quality and reduced production bugs by **25%.**
- Mentored a team of 5 junior developers

Web and mobile app development intern   **June 2022 – June 2023**

- Engineered a high-performance web and mobile platform, accommodating over 2000+ daily active users, streamlining the invoice discounting process, and reducing processing time by 40
- Played a key role in UI/UX design, implementing user-centered design principles that increased user engagement by 25% and reduced bounce rates by 15%.

Juno Terra, Remote

App Development Intern   **June 2021 – February 2022**

Tech Stack: Flutter

- Designed and maintained a robust mobile application for real-time monitoring of IoT devices, resulting in 30% increase in user interaction and data reliability.
- Led client-facing feature development, consistently meeting 100% of client expectations through detailed requirement gathering and iterative feedback loops.

Course Hero

Computer Science and Physics Expert   **June 2020 – Januray 2021**

Projects

Illicit Illustration

- App that recreates the image captured into a Painting with dimension of 512x512 pixels.
- Implemented GAN models (with 3 million parameters) for image to image style translation
- Image-to-Image Tensorflow datasets are used.
- Integrated the tflite model with mobile app **(Flutter)** to provide real time painting creation of any picture.

Jai Kisan

- An app to bring all the farmers and vendors under the same roof.
- This model aims to facilitate the use of technology to replace middlemen from the agricultural sector and prevent exploitation of farmers.

Education

Jalpaiguri Government Engineering College

Bachelor of Technology (B.Tech)   **2019 – 2023**

- **Head Committee** of Center For Innovation, JGEC,

- **Chief Organizer** of college tech-fest.

Hem Sheela Model School

High Secondary (C.B.S.E.)   **2017 – 2019**

Certifications

- Machine Learning, Stanford Online Andrew Ng (2020-10-01)
- Machine Learning with Python, IBM (2020-11-01)
- Algorithmic Toolbox, University of California San Diego (2020-11-01)

Achievements

- **2nd position** in Intra-College Robowar Tournament
- **1st position** in Inter-College Innovation Exhibition (ICIC)

Extracurricular activities

- Conducted workshop for **600+ Students** on micro controller based robotic projects
- Guitarist in college band
- Painting