Tarun Kanti Jena

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Technical Skills

- **Programming Languages –** C++, Python, Dart, Java.
- **Frameworks –** Flutter, FastAPI, Django.
- **Database** – SQL, NoSQL, MySQL, Firebase, PostgreSQL.
- **Tools and Technologies –** Object Oriented Programming , Figma, GIT, AWS.
- **Course Work –** Data structures & algorithms, Operating systems, and Database Management System.
- **Certification** – AWS Certified Cloud Practitioner, AWS Certified Solutions Architect – Associate.

Education

- **VIT Bhopal University**   **May 2021 ongoing**
  Pursuing B.Tech. in Computer Science Engineering   CGPA - 9.06

- **Sai International School, Bhubaneswar**   **Mar 2019 – Mar 2021**
  Class XII – Science (PCMCs)   Percentage - 90 %

Professional Work Experience

Oshin Operating System   **Jun 2023 - Dec 2023**
Software Developer Intern

- Designed an innovative chatbot application with a built-in automated email system, leading to a significant 30% decrease in the average response time for user inquiries and enhancing customer satisfaction rates.
- Implemented the backend system, improving system reliability by 35% and contributing to 40% of total data handling.
- Worked on various tech stack including NLP, Linux, python, Qt framework, bash.

Projects

ArthroMate   *ReactJS, AWS*   **Sept 2024**

- Innovated a user-friendly medical application enabling arthritis patients to track pain with enhanced patient data collection processes reducing data entry errors by 30%.
- Streamlined healthcare procedures, decreasing report generation time by 20% and achieved a 25% increase in diagnostic efficiency.
- Gained experience on diverse technologies as ReactJS, AWS Lambda, DynamoDB, API Gateway, & Cognito

Fasal Sahayak   *Flutter, Firebase, Python*   **Mar 2024**

- Engineered a mobile application tailored for farmers, incorporating an interactive public forum that facilitated effective issue-sharing and collaboration among all the active users.
- Integrated a ML diagnostic tool that accurately identified plant diseases from photos, improving diagnosis speed by 40% with an accuracy of 75%.

Coin Grep   *Flutter, FastAPI, Python*   **Dec 2023**

- Developed an Android app front-end using flutter framework, components for a crypto investigation tool. Enhanced user interface and experience, contributing to a 40% increase in user engagement.
- Implemented multi-blockchain support currently 17, with custom light nodes.

Achievements

- Achieved 3-star rating on the competitive programming platform CodeChef, with personal best global rank of 93.
- Currently holding a Leetcode Contest Rating of 1772, placing in Top – 8 %.
- Secured a Global Rank of 1909th in Google CodeJam Farewell round-A 2023.

Leadership / Extracurricular

SIH – 2024:

- Spearheaded the creation of an application at Smart India Hackathon 2024 using Flutter; focused on improving response accuracy.
- Facilitated clear and concise discussions during project meetings and presentations.
- Resolved team conflicts by promoting mutual understanding and collaboration, leading to increased team productivity.