PIYUSH GUPTA

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EDUCATION

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
BTech. Computer Science and Engineering
GPA: 9.46 out of 10 2020-2024 | New Delhi, IN

KULACHI HANSRAJ MODEL SCHOOL 2020| New Delhi, IN

SKILLS

Programming Languages: C/C++, Python, Dart, Kotlin, JavaScript, HTML, and CSS.
Databases: Firebase, MYSQL, and MongoDB.
Tools and Platforms: Android Studio, Figma, Canva, and VS Code.
Frameworks and Technologies: Android Development, Flutter, Machine Learning, RestAPIs, and Frontend Web Development.
Core Concepts: Data Structures, Algorithms, and Object-Oriented Programming.
Software Proficiency: Excel, Windows OS, and MS Office 360.
Problem Solving: Troubleshooting and testing to ensure seamless performance.
Communication and Networking: Effective communication skills to collaborate with cross-functional teams and stakeholders.
Leadership and Teamwork: Demonstrated ability to lead and work effectively in a team-based environment.

WORK EXPERIENCE

SHUNIYAVIGYAN | Flutter Developer Intern **JAN 2022 – MAY 2022 | New Delhi, IN**

- Design, development, enhancement, bug-fixing, and maintenance of a mobile application at Shuniyavigyan
- Creating rich user interface modules using List View, Scroll View, View Pager, Navigation Drawer, and Custom View to provide an engaging and intuitive user experience.
- Implementing fetching data from the backend in JSON format to ensure seamless functionality.
- Using agile methodologies to prioritize and manage tasks effectively.

PROJECTS

CREDIT CARD FRAUD DETECTION - FEDERATED LEARNING **Tensorflow,Python**

- Engineered an exemplary **FedMLP** model leveraging the robust Tensorflow and Tensorflow federated framework.
- Demonstrated exceptional precision with a remarkable accuracy rate of 95.26% in unmasking deceptive credit card transactions.

BHOLU – A EDUCATIONAL APPLICATION **Flutter Application, Dart**

- Designed and developed an educational Flutter application for a project, aimed at facilitating learning programming in Hindi for students.
- Implemented a feature in the application to allow users to code in both Hindi and English via a terminal.
- Utilized best practices in Flutter development, such as creating a smooth and intuitive user interface, to enhance the user experience of the educational application.
- Incorporated feedback from project stakeholders to improve the overall functionality and effectiveness of the application.

BOOKMYPARKINGLOT- A PARKING MANAGEMENT APPLICATION **Flutter Application, Dart**

- To address the challenge of finding parking spaces during peak hours.
- Created an intuitive user interface to display real-time data on vacant parking spaces, which helps users save time and avoid the hassle of searching for parking spots.
- Implemented a two-way system for the app that includes both user and admin functionality, allowing users to view vacant parking spots and parking owners to manage and monitor their spaces.
- Demonstrated strong problem-solving skills and attention to detail in ensuring accurate and up-to-date data on parking availability.

Source Code – ***CLICK HERE***

VIKAS - AN APPLICATION FOR SHG GROUPS **Flutter Application, Dart**

- Vikas is an avant-garde application designed for the centralization and storage of SHG (Self Help Group) data, even in scenarios where latency is prevalent or when internet connectivity is absent.
- This cutting-edge application possesses the remarkable capability to securely store data inputs and seamlessly transmit them to the server in the background, leveraging the robust Spring Boot APIs that are seamlessly integrated.
- It effectively generates, stores, and updates comprehensive information pertaining to the transactions of SHGs.

RESTAURANT REVIEW ANALYSIS – A MACHINE LEARNING MODEL **Jupyter Notebook, Python**

- To classify positive and negative reviews of the Restaurant
- Natural Language Processing - Naïve Bayes

Source Code – ***CLICK HERE***

BEAT THE BASE – A MACHINE LEARNING MODEL **Jupyter Notebook, Python**

- To classify astronomical sources using photometric, spectroscopic, and mathematically calculated features into 14 classes (all of which have been described in the base model
- Base Model Accuracy: 0.837
- Improved Model Accuracy: 0.919

Source Code – ***CLICK HERE***

SOLAR- A SOLAR SYSTEM GUIDE **Flutter Application, Dart**

- Created a Solar System Guide that can be used on both IOS and Android even as WebApp with a smooth and animated interface.
- Contains Login Page and Various screens describing planets.

Source Code – ***CLICK HERE*** **APK**- ***CLICK HERE***

CERTIFICATIONS AND RECOGNITION

- **DigiToad Technology** -Training: Embedded AI System STMicroelectronics
- **Ducat-**Machine Learning Training
- **Udemy**-Public Speaking: A tactical approach
- **QwikLabs-**Google Cloud Engineering Track
- **QwikLabs**-Data Science and Machine Learning Track
- **Forage-**Goldman Sachs: Engineering Virtual Program

ACHIEVEMENTS

- SMART INDIA HACKATHON (GOVT.) **FINALIST(2022)**
- HackCBS5.0 **FINALIST(2022)**
- Flutter Session at GDSC-BVP(Twice) **Speaker(2021-2022)**
- First Semester, All Departments
- First Year, Computer Science Department
- Beat The Base Return, BVEST 2021