Prakash Kumar

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Education

Amity University **2019 – 2023**
B.Tech, Computer Science and Engineering | CGPA: 8.47 *Noida, Uttar Pradesh*

B.D. Public School **2017 – 2019**
Class XII - (PCM with Computer Science) | Percentage: 95.2 *Patna, Bihar*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Networks
- OOPS
- Software Architecture
- Database Management
- Operating System

Experience

Amazon **January 2023 – June 2023**
System Development Engineer Intern *Gurugram, Haryana*

- Worked with **Payments Secure Zone (Payments Services)** team.
- Developed a package for automated ticket categorization, saving **3 weekly work hours** (2 SysDev and 1 SysDM).
- **Automated WBR and weekly OpEx report**, saving **1 hour/week** for an on-call SysDev engineer and 4 hours/week for SysDM respectively.
- Created a fast automation script to fix a serious dnsmasq vulnerability on **162+ hosts**, cutting resolution time from **months to hours**.
- Resolved **85+ Severity-3** (Partner Connectivity) tickets.

Daphnis Labs **October 2021 – February 2022**
iOS Developer Intern *New Delhi, India*

- Designed native iOS app UI using UIKit and Storyboard and **published** 3 Flutter apps on App Store.
- Got familiar with App Store Connect and **Apple Developer** account services as Certificates, Identifiers, Profiles, and **TestFlight** testing.
- Experience in Backend Development with Node.js, Express.js, and MongoDB as a database.
- Deploying and maintaining scalable applications with the help of **AWS** and **Nginx** as a load balancer.

Projects

Multiple Disease Detection using ML | *Python, Streamlit, Sklearn* **May 2023**

- Developed a user-friendly web app for Disease Prediction with high accuracy in predicting Diabetes (91%), Heart Disease (88%), and Parkinson's Disease (89%).
- Trained separate models using Logistic Regression for Heart Disease prediction and Support Vector Machines (SVM) for Parkinson's and Diabetes predictions.

Image Recognition App | *iOS,Swift, CoreML* **July 2021**

- Developed an image recognition iOS app utilizing Vision V3 Pre-Trained Machine Learning Model and CoreML.
- Uses captured photos for recognizing different objects and identifies the most prominent object in an image.
- Enabled offline functionality, enabling various object identification without a network connection.

Messaging iOS App | *iOS,Swift, Firebase* **June 2021**

- A messaging app for iOS using Firebase Firestore as a backend database to store and retrieve messages from the cloud.
- Implemented Firebase Authentication to provide secure user authentication and authorization features.
- Leveraged Cocoapods to efficiently manage and integrate essential libraries and dependencies.

Technical Skills

Languages: Java, JavaScript, Python, C++/C, Swift
Developer Tools: AWS, Git, Postman, AWS CI/CD, REST APIs, IntelliJ IDEA, Xcode
Technologies/Frameworks: Node.js, Express.js, MongoDB, iOS Development, MySQL

Accomplishments

- Participated in **Flipkart GRiD 4.0** - Software Development Challenge.

- Solved **1000+ questions** on Leetcode and GeeksForGeeks combined.