

PRAKASH KUMAR

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Education

Amity University

B.Tech, Computer Science and Engineering | CGPA: 8.47

2019 – 2023

Noida, Uttar Pradesh

B.D. Public School

Class XII - (PCM with Computer Science) | Percentage: 95.2

2017 – 2019

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

Daphnis Labs

Oct 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

Portfolio Website | Route53, CloudFront, S3, Reactjs | [link](#)

February 2024

- Developed a sleek and responsive portfolio website using ReactJS and CSS.
- Integrated Swiper to create smooth sliding components, enhancing user experience and engagement.
- Implemented EmailJS for seamless contact services, allowing users to easily reach out and connect.
- Leveraged **AWS Route53, CloudFront, and S3 bucket** for reliable deployment, ensuring optimal performance, scalability, and minimal latency for an enhanced user experience.

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%).
- Used Logistic Regression for Heart Disease prediction and Support Vector Machines (SVM) for Parkinson's and Diabetes predictions.
- Ensured the models were accurate and the web app was easy to use, with different algorithms customized for each disease prediction task.

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, DynamoDB, iOS Development, MySQL