Neeteesh Kumar

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Maulana Azad National Institute of Technology, Bhopal	7.82 /10	2017 - 2021
Senior Secondary	CBSE Board	89.2%	2015-2016
Secondary	CBSE Board	9.8/10	2013-2014

Experience

- **Software Engineer Application - ZS Associates** (July 2021 - present)
  - I am part of Platform Foundation team who is making solution for **Authentication and Authorization** by replacing old solution.

- **Software Development Intern - Amazon** (Jan 2021 – July 2021)
  - Worked with Tax Platform Services Team of Amazon Hyderabad to help onboarding new countries for tax calculation and invoice generation and designing various internal tools.
  - Onboarded a new country on Amazon's Invoice Generation platform. Used **Java & Spring Framework**, **Dynamo DB** and **Athena**.
  - Designed & implemented an end-to-end tool to get some list on UI in **pagination** format and in **downloadable CSV format**. Used **Lambda**, **Dynamo Db**, **S3**, **Athena** and various other **AWS service**. Used **Java & Spring Framework** for implementing backend APIs and used **React** and **Typescript** for implementing User Interface.

Projects

- **Smart Attendance Management System**
  - A web and Machine learning based application
  - This application has feature of marking the attendance of student based on the face detection algorithm.
  - Web portal is for helping student to check their current attendance of every subject, and a feature of receiving warning mail at the weekend if attendance is less than some threshold value.

- **Design And Implementation of Robotic Autonomous Car**
  - Designed a monocular vision autonomous car prototype using Raspberry Pi as a processing chip. An HD camera along with an ultrasonic sensor is used to provide necessary data from the real world to the car.
  - Many existing algorithms like lane detection, obstacle detection is combined together to provide the necessary control to the car.

- **Student Verification System**
  - Designed and implemented a Student Verification system. Using web portal students can add the required documents and admin can approve those documents. I am still working on this for automatic verification of some of the documents based on QR codes on that document.

Technical Skills

- **Skills**: C, C++, Java, Python, AWS, MySQL, ReactJS, Typescript, DynamoDB, AngularJS, Android Studio, Windows, Linux

Key Courses Taken

- **Data Structures and Algorithms**
- **Software Engineering**
- **Digital System Design**
- **Operating System**
- **Databases**
- **Computer Networks**

Certification

- **Data Base Management System** by NPTEL
- **Python For Data Science** by NPTEL
- **Machine Learning** by Udemy
- **Android App Development** Training by Internshala.

Achievements

- **National Means Cum Merit Scholarship**
  Among 1000 student who received scholarship from out of more than 1 million students from all over India.

- **Competitive Coding Platform**
  Highest rating of 1815 on **Hackerearth**, 1812 on **Codeforces** and 1910 on **Codechef**. 6-star problem solver on **Hackerrank**. Solved more than 500 questions on **Leetcode**.