

# AASHISH KUMAR

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## Education

### Indian Institute of Technology

Dual Degree (B.Tech & M.Tech), CGPA: 8.52/10

Jun 2018 – May 2023

Kharagpur

## Technical Skills

**Programming Languages:** C++, Java, Golang, Python, JavaScript, TypeScript

**Markup/Query Languages:** HTML5, CSS3, T-SQL, pgSQL

**Frameworks & ORMs:** Spring Boot, Gin, Node.js, Flask, jOOQ, Mongoose, Prisma, Gorm

**Databases:** Redis, MongoDB, DynamoDB, Elasticsearch, SQLite, SQL Server, PostgreSQL, pgvector

**Cloud:** S3, EC2, RDS, CloudWatch, Lambda, SNS, SQS, SES, ECS, Docker, IIS, Nginx, GitHub Actions, Azure CI/CD

## Experience

### Electronics Company

May 2020 – August 2020

Software Engineer Intern

City, State

- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.

### Startup, Inc

May 2019 – August 2019

Front End Developer Intern

City, State

- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.

### Fraternity

Spring 2020 – Present

President

University Name

- Achieved a 4 star fraternity ranking by the Office of Fraternity and Sorority Affairs (highest possible ranking).
- Managed executive board of 5 members and ran weekly meetings to oversee progress in essential parts of the chapter.
- Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.

## Projects

### Gym Reservation Bot | Python, Selenium, Google Cloud Console

January 2021

- Developed an automatic bot using Python and Google Cloud Console to register myself for a timeslot at my school gym.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.
- Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

### Ticket Price Calculator App | Java, Android Studio

November 2020

- Created an Android application using Java and Android Studio to calculate ticket prices for trips to museums in NYC.
- Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

### Transaction Management GUI | Java, Eclipse, JavaFX

October 2020

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

## Coursework & Certifications

- Programming & Data Structures
- Algorithms 1
- Applied Algorithms and DS
- Probability and Statistics
- Data Analytics
- Machine Learning Foundations
- Deep Learning Foundations
- Winter School of AI & Robotics
- AlgoExpert algoexpert.io
- FrontendExpert algoexpert.io
- SystemsExpert algoexpert.io
- InfraExpert algoexpert.io