

# VINEET KALGHATGI

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## EDUCATION

### University at Buffalo, The State University of New York

Master of Science in Computer Science, GPA : **3.6/4**

**Buffalo, NY**

Aug 2022 - Dec 2023

**Coursework:** Blockchain, Pattern Recognition, Analysis of Algorithms, Fundamentals of Programming languages, Data Intensive Computing, Data models and query language, Project Management, Information Retrieval

### Dr. Ambedkar Institute of Technology

Bachelor of Engineering in Computer Science and Engineering, GPA : **8.84/10**

**Bengaluru, India**

Aug 2017 - Jul 2021

- Member of the Computer Society of India, Student Chapter
- Head of the Web Dev club

## SKILLS

**Languages:** Python, Javascript, Java, Dart, C, C++

**Web Technologies:** React.js, Angular, Node.js, Next.js, Django, Flask, Flutter

**Database:** SQL, MongoDB

**Technologies/OS:** Hadoop, Spark, Docker, Git, Linux, RHEL

## EXPERIENCE

### Tata Consultancy Services

System Engineer

**Bengaluru, India**

Aug 2021 - Jul 2022

- Managed operations of CA PAM, a privileged access manager, for a leading Swiss bank, resulting in smooth operations for over 4000 clients
- Collaborated in debugging errors occurred during server onboardings. Drafted reports with the help of SQL
- Delivered mentorship to colleagues, imparting expertise in server integration workflows, shell scripts, and Python scripts, achieving enhanced comprehension and skill proficiency
- Created a Python script for optimizing the onboarding process of HPiLO servers in bulk, leading to an outstanding 85% reduction in processing times

### Tata Consultancy Services

Software developer intern

**Bengaluru, India**

Jul 2020 - Aug 2020

- Streamlined testing processes by developing 2 applications: a file parser in Java, and a web app to aid mobile device testing
- Externalized data from Cucumber feature files with Java, to a MongoDB Database resulting in centralized data storage
- Built a dashboard by means of Angular, Node.js and Express.js to input/modify/delete test data for the file parser, achieving intuitive CRUD operations
- Crafted a mobile automation tool complete with a UI, using Flask and Appium, leading to improved mobile app testing

### Socort Siblings Technology Private Limited

Android Developer intern

**Bengaluru, India**

Mar 2020 - Apr 2020

- Played an integral role in developing 2 Android applications using Java
- Enhanced functionality in both customer and vendor applications by implementing multiple key features and seamlessly integrating various API endpoints
- Upgraded the user authentication of the app by leveraging Google's Firebase APIs, yielding a significant improvement in authentication security

## PROJECTS

### Restaurant E-menu [Link](#)

Jan 2022 - Present

- A cloud-based online menu management system for restaurants programmed using Next.js, Node.js, Express.js and MongoDB, allowing restaurant owners to easily create, edit, and manage menus, accessible to customers via a QR code
- Designed a password based login system leveraging Google Firebase authentication

### Data Volume Reduction [Link](#)

Mar 2023- May 2023

- A cloud-based application, envisioned in collaboration with IBM filtering datasets through metadata of individual files. Developed using Django (Python), Next.js (React.js), Bootstrap and hosted on IBM Cloud
- Constructed and documented critical backend modules responsible for metadata extraction and parsing
- Optimized processing times by parallelizing file downloads from data provider source

### Breast Cancer Detection

Feb 2023 - May 2023

- Trained 5 classifier and regression models to predict mortality of patients suffering from Breast Cancer
- Conducted comprehensive Exploratory Data Analysis (EDA) to unearth valuable data trends and relationships. Employed advanced data preprocessing techniques namely label encoding, one-hot encoding, standard scaling and outlier removal resulting in a clean and optimized dataset and a 85% accuracy score

### Baggage Tracking Dapp [Link](#)

Nov 2022 - Dec 2022

- A decentralized application to track a user's airport baggage reliably and securely by moving tracking logic to a smart contract on ethereum blockchain providing a trust layer over existing systems
- Engineered a smart contract in Solidity to record the location and timestamp of an aircraft passenger's baggage
- Assembled a UI interface using HTML, CSS, Javascript and middleware using Node.js