Abhishek Mishra

Jersey City, New Jersey
https://www.linkedin.com/in/mishraabhishek226/

201-238-8847
amishr1@stevens.edu

EDUCATION

Stevens Institute of Technology, Hoboken, NJ   Expected Dec 2022
Master (Computer Science) **GPA:** 3.95 out of 4
Related Courses: Web Programming (Back-End), Distributed Systems and cloud computing, DBMS, Web Programming 2 (Front-End), Data Structure and Algorithms

SRMCEM, India   Aug 2017
Bachelor (Computer Science)
Related Courses: Data Structures, Algorithms, Web Technology, Computer Networks, DBMS

SKILLS

- **Programming Languages:** C++, Java, PHP, JavaScript(ES6+), TypeScript, Python
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Web Technology:** Node.js, React.js, Redux, Web Sockets, Bootstrap, GraphQL, HTML5, CSS, Ajax, Gulp.js, Firebase, Tailwind CSS, Vue.js, SASS, JSON, Restful API, NPM, Jest, React Native, Material UI
- **Frameworks and Tools**: Express.js, Next.js, Vite.js, Expo, Django, Git, Jira, Amazon EC2, Amazon SES, AWS lambda

EXPERIENCE

Stevens Institute of Technology   Sep 22-present
Teaching Assistant
Technology: C++, Data Structures, Algorithms
- Taking classes and doubt sessions with students for graduate-level course Data Structures and Algorithms
- Grading homework, and exam papers, and structuring the coursework

Compitek IT Services, New Delhi, India   Oct 17-Mar 21
Software Developer
Technology: MongoDB, React.js, Express.js, Node.js, Redis, Redux, Typescript
- Collaborated in developing web services using the MERN stack as a primary technology
- Translated designs and wireframes into high-quality code increasing efficiency by 10%
- Developed single-page applications by employing React Lifecycle methods and React hooks
- Improved the response time of APIs by 200% by implementing in-memory cache using Redis
- Increased performance of applications by 70% by reducing number of API calls using memoization
- Performed Authentication and Authorization by using express session for Node.js applications
- Employed Jest for writing unit tests and Postman for testing Restful APIs endpoints
- Used Redux to manage state and Redux thunk as middleware to handle asynchronous applications
- Ensured type safety by using Typescript
- Controlled Race conditions in redux-based applications

ACADEMIC PROJECTS

MyNotes – a notes app   Summer 2022
Technology: React Native, Django, Tailwind CSS, Firebase, Typescript, PostgreSQL
- Made a mobile application for both iOS and android to store notes performing **CRUD**
- Created **REST APIs** using **Django** and front end using **React Native, Expo**, and **Typescript**
- Utilized **Firebase** for user authentication and authorization and **Tailwind CSS** for styling
- Leveraged PostgreSQL for the database to store users, notes data

Stevens Institute of Technology, Hoboken, NJ   Spring 2022
Asian Mart - an e-commerce application for groceries
Technology: MongoDB, Express.js, React.js, Redux, Node.js, GraphQL, Firebase, Stripe.js
- Designed an e-commerce platform as a team leader to shop for groceries
- Built Back end with **GraphQL** and database using **MongoDB** and Front end deploying **React.js**, **Redux**
- Implemented user authentication and authorization utilizing **Firebase Authentication**
- Operated **memo** and **callback** to reduce re-rendering and managed **Event Propagation** to improve performance
- Integrated **Stripe.js** for payments and hosted APIs on **Node.js** server

Stevens Institute of Technology, Hoboken, NJ   Fall 2021
Questionnaire - a question-and-answer portal
Technology: MongoDB, Express.js, Node.js, Handlebars, Bootstrap
- Lead a team of 3 to build a question-answer website where users can submit questions, and answers, subscribe, and comment
- Programmed routes using **Express.js** and templating using **Handlebars** and **Bootstrap**
- Built Back end and database deploying **Node.js** and **MongoDB**
- Performed **Ajax** request and query operations on MongoDB for voting and **autonomous content moderation**