ATISHAY JAIN

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ **Expected May 2024**

Master's in Software Engineering

Coursework: Fundamentals of Software Engineering, Web Programming, Cost Estimation and Measurements, Software Testing, Agile Methods for Software Development.

ABES Institute of Technology (Affiliated To A.K.T.U) | Uttar Pradesh, India **July 2017 - July 2021**

Bachelor of Technology in Information Technology

Coursework: Data Structures & Algorithms, Database Management Systems, Computer Networks and Operating Systems.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, C.
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, Flask, Nodejs
- **Database:** MySQL, MongoDB
- **Other/Tools:** Git, Linux, JIRA, Jupyter Notebook, Tkinter, Visual Studio, Circle CI.

WORK EXPERIENCE

Software Testing Engineer | Qualitestgroup | Uttar Pradesh, India **May 2021 - June 2022**

- Implemented automated and manual software testing of web and mobile applications like "Pearson" and "Salesforce". Performed test case solutions and improved code coverage.
- Managed and coached a software testing team of 6 from scratch by using Agile software development methodologies to manage and improve software testing.

Internship, Technical Research | HCL Tech | Uttar Pradesh, India **July 2020 - November 2020**

- Researched, organized, and documented requirements for the project "IoT in Sports Using M2M Bluetooth Mesh Technology" and led the project to become a part of HCL's new foundation club.
- Implemented a prototype application that will determine sportsperson's performance, health parameters, perform motion-sensing using smart BLE M2M technology.

Software Engineer Intern | Minerva Solutions | Delhi, India **March 2020 – July 2020**

- Designed and implemented "Team-view" widget for company website's dashboard using HTML, CSS, JavaScript, and Bootstrap.
- In a team of 3 interns, we designed and implemented chatbot and virtual assistant functionality on Minerva's customer support portal, which helps new users navigating and getting their issues resolved right within the website.

ACADEMIC PROJECTS

Ride-share application for Stevens Students

- A mobile application built in React that is aimed towards solving the shuttle wait time problem and allows Stevens's students to ride-share while travelling from one place to another.
- Stevens's students will have the opportunity to book rides when someone has placed a ride available. This is an affordable solution, and it will let someone get authorized as "Frequent travel" of a particular route.

Financial Supervision System Using ML Algorithm

- Designed a web application using JavaScript, Flask, MongoDB that delivers future financial trends for businesses based on their past data by applying Random Forest Algorithm.
- Integrated functionalities like Virtual Assistant, customer-support-bot, and Financial Budget Tracking system.
- Published 2 research papers under "Solid State Technology" and "ICDAM" journals and presented project in technical presentation and came in top 50 projects for ICDAM Conference 2020.

IoT in Sports using M2M interaction and Bluetooth Mesh Networking

- In a team of 2, designed a practical solution which can deliver live information about the sportsperson's health details such as performance, heart rate, speed, injury alerts, etc. using Bluetooth Mesh Technology.
- Published a research paper under HCL's new foundation club.

Pathfinding Algorithm Game

- Developed an application for the A* Pathfinding algorithm that gives the shortest path to visit a node from a starting node by making use of "Manhattan distance or the L shaped distance formula", PyGame and Python.