

Zeeshan Shaikh

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EDUCATION

Stony Brook University

Masters of Science in Computer Engineering, 3.89/4.0

Relevant Courses: Data Structures and Algorithms, Computer and Robot Vision, Mobile Sensing Systems, Mobile Cloud Computing, Network Security Engineering

Stony Brook, NY

Aug. 2022 – Dec 2023

Savitribai Phule Pune University

Bachelors of Engineering in Electronics and Telecommunication, 8.38/10.0

Relevant Courses: Data Structures/Algos, OOPs, Operating Systems, Computer Networks, IoT, Advanced Processors

Pune, MH, India

Aug. 2017 – May 2020

TECHNICAL SKILLS

Languages: Java (Expert), Python(Proficient), C,Embedded C, Typescript, Powershell, HTML, CSS, Javascript.

Frameworks: Spring Boot, Angular, Material-UI, Bootstrap, Microservices.

Databases: MySQL, MongoDB, JPA Repo, CRUD Repo.

Developer Tools: Adobe XD, Android, Power Automate, Power BI, Git, Firebase, Azure, VS Code, Eclipse.

Certifications: Azure Fundamentals Certificate

EXPERIENCE

Software Development Engineer

Birlasoft Ltd

Oct 2020 – May 2022

Pune, India

- Designed, developed, and deployed 5 applications using Java, Python, Spring Boot, Firebase, Angular, MYSQL, and NoSQL over a period of 18 Months.
- Introduced and built a new full stack application from scratch for collecting and monitoring health metrics of 7 internal services.
- Reduced manual efforts by 85 percent to get a bird's eye view of the overall system by using Spring Framework, HTML5 and Bootstrap, CSS
- Automated 4 operationally crucial operation by deploying powershell and python scripts, and reduced the overall costing of human labor by 36.4 percent.

PROJECTS

Wolfie's Bike Android Application | *Android, Java, Firebase, NoSQL*

March 2023 - Dec 2023

- Implemented a bike scheduling android application using Java Language, material UI that interacts with the firebase database to fetch the real time data for the students of Stony Brook University.
- Features: Google Sign-On using Stony Brook Login, Pick Up and Drop off feature, Real Time Data for Bike Availability,, Tracking of Bike and User, Emergency Requests to Bike Team.

Respiration Monitoring During Sleep | *Python, Numpy, Data Analysis*

Sept 2022- Dec 2022

- Implemented a python based algorithm using data segmentation technique to extract precise respiration data and detect body motion when sleeping.
- Performed data analysis on the UWB sensor data against the ground truth and concluded the optimal sleeping position, the best sensor height, and the best distance to measure vital signs like heart rate and breathing rate using the UWB sensors.

The Apparel Store | *Java, Spring Boot, Hibernate, JPA, REST API, Typescript, Angular 10* May 2020– May 2020

- Created an Online Clothing Shopping Web Application by using cutting-edge frameworks such as Spring Boot, JPA, MySQL, Hibernate, Angular 10 in a short span of 15 days.
- Functionalities include: Add/Remove Products, Cart, User Profiles, Payment Method, Login OAuth Authentication, Google Sign On, Monitoring of Orders by Admin, Admin permissions, and etc.

Robocare For Elderly | *Python, Linux, PCB Designing*

July 2019- May 2020

- Developed a Raspberry Pi 3 based robot using python programming language to overcome the problem of shortage of home companions in countries like Japan, India, Pakistan, Sri Lanka, etc.
- Features: voice recognition, Human Body Temperature Detection, User Medication time reminder, Music Player according to mood, Google Assistant based voice output.