

Mohammad Zarak Shah ji

🌐 LinkedIn | 📞 747-388-6386 | ✉️ zarak.shah.ji@gmail.com | 🐙 GitHub | 🌐 Website

WORK EXPERIENCE

Software Engineer BMW of North America	Sept 2022 - Present
C#, .Net, Angular, Express.js, JavaScript, MySQL, JSON, TDD	Oxnard, CA
<ul style="list-style-type: none">Working on a car scheduling app to automate emissions testing process pipeline, achieving 95% validity in car testsDrove remarkable enhancement of the application by implementing four cutting-edge features: car test scheduling, test sequence editing, signup page creation, and calendar integration, boosting overall functionality by 75%Implemented admin access for 90% of the functionalities using authentication guards, resulting in a 100% improvement in application security and a significant reduction in car information mishandling incidents	
Desktop Support Specialist California State University Northridge	Apr 2022 – Aug 2022
PowerShell, JAMF, SCCM, Git, Unix	Los Angeles, CA
<ul style="list-style-type: none">Spearheaded technical support to users in-person, over phone, and remotely resulting in 97% customer satisfactionResolved hardware/software issues for over 500 users, with a ticket closure rate of 95% within service agreement	
Research Assistant Sandia Labs	Sept 2021 - Mar 2022
Python, YAML, CNN, Kubernetes, Docker, VM	Los Angeles, CA
<ul style="list-style-type: none">Conducted penetration testing on microservices applications, leveraging deep learning techniques to analyze patterns and predict potential attacks, resulting in a system with a reduced risk of successful cyber-attacks by 98%Deployed the DeathstarBench social network app on Kubernetes, achieving 100% functionality of the applicationEmployed Repulsive Grizzly app to conduct DDOS attacks, resulting in identifying 10+ vulnerabilities in microservices	
Full Stack Developer University of Kashmir	Mar 2020 - Aug 2021
Python, Django, PostgreSQL, Heroku, UML, Agile	Kashmir, India
<ul style="list-style-type: none">Developed and managed an e-commerce web application utilizing Python's Django framework, guaranteeing both functionality and scalability, resulting in a 55% boost in website traffic and a 30% surge in sales revenueDelivered customer-centric enhancements by implementing key features like "add to cart" and "wish list," driving an outstanding 95% increase in customer satisfactionWrote REST APIs to perform CRUD operations, resulting in an API response time of less than 100ms and handling over 10,000 requests per minute	
Frontend Developer Intern BMCP Solutions	Nov-2019 - Feb 2020
HTML, CSS, Bootstrap, JavaScript	Delhi, India
<ul style="list-style-type: none">Developed a new business website, leading to a 50% increase in traffic, a 70% boost in user engagementOrganized the CRM software by understanding KPIs, leading to a 99% improvement in customer satisfaction ratings	

SKILLS

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript	Frameworks: Angular, Django, Node.js, PyTorch
Databases & Cloud: MySQL, PostgreSQL, MongoDB, Docker, Kubernetes	CI / CD: Git, GitHub, GitLab, Asana

EDUCATION

California State University Northridge	Aug 2021 - May 2023
Master of Science in Computer Science GPA: 3.97 Outstanding Student Award	
University of Kashmir	Dec 2016 – Oct 2020
Bachelor of Technology in Computer Science and Computer Engineering	

PUBLICATIONS AND PROJECTS

Predictive Modeling of Diabetes Onset and Survival Analysis Among Diabetic Patients	Publisher: IEEE
<ul style="list-style-type: none">Uncovered novel insights into heart failure risk among diabetic patients using the Random Survival Forest machine learning model, unveiling previously undiscovered correlations with 90% accuracy	
Driver Drowsiness Detection Scikit Learn, Matplotlib, YOLO v5, PyTorch, NumPy, LSTM, OpenCV	
<ul style="list-style-type: none">Revolutionized driver safety technology by analyzing drowsiness detection techniques, specifically focusing on facial features. Identified the most effective method with 95% accuracy	
Crazy Crypto Angular, Node.js, CoinCap, Express.js, Firebase	
<ul style="list-style-type: none">Built a real-time updating app for prices, news, and graphs of cryptocurrencies, yielding an informative platform	

LEADERSHIP

IEEE Beta Kappa Nu: Research Bootcamp Mentor responsible for educating and giving advice to 300+ students
BUILD PODER: Led tutoring classes with rectitude, fostering collaboration, and 75% refinement in student performance