ILMAAN ZIA

MS (Computer Science) CSULB, CA
Software Developer

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California

Linkedin   Github   Gitlab   Portfolio   vCard   CantechSoftwares

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Software Developer with 2 years of professional experience with different methodologies and organisations. Currently working as a **research assistant** & pursuing **Master's** Program in **Computer Science** from **California State University** Long Beach, California. Worked on multiple projects with different industries. Proficient with Python, Django Framework, Fast-API, DRF, Microservices , Data Science, Data Analytics, Visualisation, API development, Backend Architecture. Successfully deployed 5+ freelance Full Stack projects. Proficient with client interaction and adaptive communication skill set.

Work Experience

Research Assitant @ College of Engineering,CSULB, California   From June 2023
- Conducted in-depth literature review of 20+ papers on self-adaptive robotic arm specifications.
- Formalized models for multi-robotic arm with 9 DOF configurations and performed analysis with UPPAL.
- Authored paper submitted for acceptance at QRS 2023 conference..

Software Developer @ Trade India Infocom LTD , Noida   From Dec 2021 to Jan 2023
- Developed and maintained TradeIndia's Backend Development and CRM Portal.
- Managed databases with data for 5+ million registered users.
- Collaborated with internal and external teams on Django to FAST-API integration, enhancing efficiency and effectiveness.
- Designed pipelined, and deployed backend APIs from the ground up using FAST-API.
- Assisted in migrating projects to microservices architecture, improving system and reducing latency by 20%.

Software Developer @ Fella Feeds ,Gurugram   From Aug 2021 To Dec 2021
- Developed backend APIs for 5+ mobile applications using Django Rest Framework.
- Worked on projects including Doctor On Call, TraceLyf, Mera Doc, Little Marvels, and more.
- Proficient in REST API creation, pipeline setup, and backend architecture design.
- Designed database architecture for app used by 100K+ users monthly

FullSTack Developer @ SBNRI ,Gurugram   From Jan 2021 To Aug 2021
- Developed and maintained 3 key SBNRI projects: SBNRI web app, SBNRI blog project, and SBNRI Backend APIs.
- Created the SBNRI Full-Stack web application from scratch using Django Framework.
- Launched responsive SBNRI website with 5K monthly visitors, from idea to launch in 3 months using Django, jQuery, Bootstrap.
- Maintained and enhanced modules for the SBNRI blog project(Wordpress Based Front-end), Reducing loading time by 2X through front-end optimization of 15+ modules.
- Built REST APIs in Django Rest Framework for SBNRI mobile app, enabling mobile access for 3000+ users

FullStack Developer Intern @ Uptimus Datalogix ,Delhi   From Aug 2020 To Dec 2020
- Built front end UIs for internal ERP system using PHP and Laravel Framework.
- Contributed to the development of an internal team management application for Ezeepay by implementing CRUD operations using PHP, automating report generation saving 2 hours per week for managers.

Education

Master of Science in Computer Science,California State University, Long Beach, California		2023-2024
Bachelors Of Technology Computer Science ,Jamia Hamdard, Delhi		2017-2021

Technical Skills

- **Programming Languages -** Python, C++, C, Java, PHP
- **Frameworks -** Django, FastAPI, Laravel, Wordpress, Django Rest Framework, Flask
- **Front-End -** HTML, CSS, Javascript, Ajax, Jquery
- **Databases -** Postgres, SQL, SQLite, Elastic Search, Kibana
- **DevOPS -** Heroku,AWS,Docker,PythonAnywhere,CPanel,GCP
- **Version Control and Editors -** Git, Vim, VSCode
- **Formal Verification & Simulation -**   UPPAAL, PRISM

Projects GitHub link- https://github.com/ilmaan

- **Performance Analysis of Cache size and set Assoc using Gem5**   - Research Project
- **Bug Tracking Application**   - bug tracking application built with Django
- **Face Mask Detection Using Deep Learning**   - Research Project
- **People Solution Services**   - Online Grievance Reporting Portal

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Skills:

Software Development, Full-Stack Development, Microservices, Numpy, Pandas, Advance Statistics, ,ETL, Matplotlib, Seaborn, Plotly, Cufflinks, Folium Machine Learning, Ethical Hacking , Android Hacking Using termux, Adobe Photoshop, MS Excel, Jira, Bitbucket,Docker,Kubernetes, Shell, Docker, Tunnelling, AGILE,MVC,MVT,SCRUM,KABANA,Waterfall,RESTful API,AWS,Azure,GCP.