Chico CA, USA

AADIL SHAIKH

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EDUCATION

Master of Science in Computer Science, California State University Chico, USA **(GPA: 4/4)**	**Aug 2023 – May 2025**
Post Graduate Diploma, Center for Development of Advanced Computing (**80.90% Grade: A**)	**Feb 2020 – Feb 2021**
Bachelor of Engineering in Mechanical Engineering, Savitribai Phule Pune University **(CGPA: 7.39/10)**	**Aug 2015 – May 2019**

TECHNICAL SKILLS

Programming	C# .NET, WCF, LINQ, Entity Framework, Java, JavaScript, Angular, jQuery, HTML, C++, Python, Flutter – Dart, Web Scrapping
DevOps	Azure, AWS, Oracle, GCP, VMware [ESXi, vCenter, vSphere], Nutanix, Jenkins CI/CD, Ansible, GitLab CI/CD
Web Development	ASP.NET, MVC, RESTful API, SOAP API, PHP, Spring boot, Django
Databases	MS SQL, MySQL, MongoDB
Tools	SoapUI, Postman, Git, SVN, Redmine, MS Teams, RabbitMQ, AD, LDAP, Jira, Kibana, Azure Boards, Visual Studio [2013-2022], VS Code, S3 Bucket, Lambda Functions, NumPy, Pandas, Scikit learn
Certification	Certified Microsoft Azure Developer AZ-201 **March 2021**

EMPLOYMENT

Software Engineer Intern, Customized Energy Solutions, Philadelphia USA   **July 2024 - Current**

- Implemented RAG architecture with OpenAI's vector store and Files, creating an assistant that reduced support queries to engineers by 60%.
- Developed MongoDB Triggers to fetch data, generate JSON files, and push them using a custom Multi-Part form approach.
- Applied AI and ML techniques to optimize data retrieval and augmentation, improving assistant accuracy and user experience.
- Developed an automated web scraping service with Scrapy, AWS Lambda, and S3, enabling parallel data extraction and scalable processing with 80% reduced manual effort.

Software Engineer, Accops Systems, Pune India   **March 2021- July 2023**

Accops HyLabs   *Dec 2021 – July 2023*

- Developed VDI features, integrating APIs from cloud providers (AWS, Oracle, GCP, Azure) and on-premises providers (Nutanix, VMWare) in HyWorks for work-from-home solutions.
- Architected a prototype for Kyoto University LMS integration with virtual desktops, winning the company's largest university project.
- Led a team of 2 developers, managing communication with Japanese partners and overseeing the delivery process for Azure Virtual Desktop Services integration with Accops HyLabs from design to deployment.

Automation Deployment [DevOps]   *Aug 2021 – Nov 2021*

- Automated the build, deployment, and installation process for HyWorks Controller and Agents using Git, Jenkins, and Ansible, creating a one-click build and deploy solution.
- Reduced QA team's efforts and deployment time, increasing throughput and reducing turnaround time for feature testing.

Diagnostics Tool   *March 2021 – July 2021*

- Designed and developed a tool to monitor services, processes, and VM diagnostics, integrating it with Accops HyWorks Controller to troubleshoot errors and display alerts and warnings in a report.
- Created an HTML template for viewing relevant information and reduced support team communication and diagnostics time by 50%, making the tool more accessible.

PROJECTS

- **Crosswalk Pedestrian Detection**: Developed a real-time vision-based system using machine learning to enhance pedestrian and cyclist safety at urban crosswalks.
- **Voice-Activated Object Navigation Robot**: Engineered a voice-controlled robot integrating speech recognition, NLP, and object detection for autonomous navigation using ROS2.

AWARDS AND PUBLICATIONS

- **Publication:** "An investigation of boat-tail helmet to reduce drag" *Journal Advances in Aircraft and Spacecraft Science, Vol. 8, No. 3 (2021) 239-250*   **Aug 2021**
- **Best Creation Award:** Awarded 1st prize for best creation at Accops Systems – Diagnostics Tool   **Sept 2021**

🌐 **My Portfolio**   ○ **GitHub**   in **LinkedIn**