Anagha Viswanath

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EDUCATION

Santa Clara University, *Santa Clara, California*   **GPA: 3.7/4**
Master of Science in Computer Science and Engineering   **Jun 2024**
Relevant Coursework: Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence (AI), Advanced Operating Systems

Nitte Meenakshi Institute of Technology, *Bangalore, Karnataka*   **GPA: 3.7/4**
Bachelor of Engineering in Information Science and Engineering   **Aug 2020**
Relevant Coursework: Computer Networks, Data Structures, Object Oriented Programming (OOP), Database Systems, Software Engineering

PROFESSIONAL EXPERIENCE

Software Developer Intern
Santa Clara University, Santa Clara, California   ***May 2023 – Present***
- Spearheaded launch of full-stack e-commerce website for Inspired Earth, a jewelry business, enabling event creation, driving 15% sales growth, and securing payments with Stripe Payments API.
- Leading crafting of an educational app in Figma and Flutter to enhance math learning outcomes for ESL students, addressing challenges faced in school.

Software Engineer
Wipro Technologies, Bangalore, India   ***Sep 2020 – Aug 2022***
- Achieved 90% data reliability by migration of on-premise data from Microsoft Excel to Azure SQL database using SQL-based solutions.
- Accomplished 95% data accuracy by building an ETL solution to extract, transform, and load 100,000 employee records from SAP Hana, optimizing decision-making and operational efficiency.
- Led collaborative design of PowerBI dashboards, increasing data accessibility by 30% and empowering stakeholders with real-time visualizations and actionable insights for superior decision-making.
- Automated unit testing for 3 of Cisco's DNA Center Maglev microservices (Redis, Postgres, RabbitMQ), attaining 80% coverage using Pytest, Robot Framework, and Python, improving quality and reliability of Maglev platform.
- Developed Kubernetes clusters and Docker containers to create and deploy Cisco DNA Center Maglev, reducing deployment time by 20% by means of meticulous version control with Git and Bitbucket.
- Streamlined support operations, resolving 95% of issues promptly via Jira, ensuring seamless workflow and client satisfaction.

Software Engineer Intern
Canbank Computer Services Ltd, Bangalore, India   ***Jun 2019 – Aug 2019***
- Transformed operations by delivering an automated Performance Bank Guarantee generation system using ASP.NET, C#, and SQL Server in MVC framework, eliminating paper-based processes and increasing efficiency by 50%.
- Implemented streamlined system via Microsoft Visual Studio and SQL Server, ensuring flawless rollout and operational efficiency.

SKILLS

Programming Languages:	Python, Java, JavaScript, C, C++, PHP, HTML/CSS, React JS, Node JS, Express JS, JQuery, Flask
Database Systems:	MySQL, Oracle PLSQL, PostgreSQL, SAP HANA, Microsoft SQL Server
Machine Learning Frameworks/Libraries:	Tensorflow, Keras, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn
Tools and Platforms:	AWS EC2, Docker, Kubernetes, Postman, Git, PowerBI, Linux

PROJECTS

HackForHumanity2023 - GiveForGood | *ReactJS, Javascript, HTML5, CSS3, MySQL, Google Maps API, Python*
- Enhanced full-stack proficiency by working with ReactJS to craft captivating user interfaces coupled with robust authentication and security protocols utilizing Python and OAuth.
- Mastered seamless integration of Google Maps APIs with JavaScript, enabling dynamic map displays and location pinning elevating understanding of real-time data visualizations and user interaction.

E-Commerce: SMART Shopping Cart | *Amazon EC2, Apache, ESP32CAM, Python, Flask, REST, HTML5, CSS3, Javascript, Ajax*
- Engineered scalable IoT-based real-time shopping cart with ESP32 CAM, encrypting and securely transmitting barcode images to web server through RESTful APIs in Flask and Python, resulting in a user-friendly e-commerce experience.
- Enriched user engagement with dynamic and interactive user interface leveraging JavaScript and Ajax hosted on Amazon EC2.

Leukemia Detection Using Deep Learning | *Keras, Tensorflow, CNN, Python, Flask, REST, Javascript, HTML/CSS*
- Demonstrated machine learning expertise by building a Convolutional Neural Network (CNN) based image classification model with Keras, TensorFlow, and Python, achieving 91% training accuracy and 87% testing accuracy.
- Delivered a user-centric interface with Flask, HTML, CSS, and JavaScript, focusing on user experience and ensuring seamless interaction with machine learning model.
- Published research paper "Detection of Leukemia Using Convolutional Neural Network", featured in Springer 2021 and presented paper at ERCICA Conference among 44 distinguished papers, showcasing impactful contributions to field of Computer Science.