Chandramouli Munjurpet Sridharan

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Seeking Full-time SDE positions from Spring 2025 with 2+ years of experience; Willing to Relocate.

EDUCATION

University of Texas at Arlington , USA, *Master of Science in Computer Science* **| GPA: 4.00**   *Aug 2023 - May 2025*
- *Courses*: Software Engineering (Analysis, Design, Testing, Management, Quality), Analysis of algorithms, ML, AI, Data Mining, Big Data.

Anna University, Chennai, India , *Bachelor of Technology in Information Technology* **| GPA: 3.62**   *Aug 2017 - April 2021*
- *Courses*: Object-oriented design and programming, Database Management Systems, Web Development, Data Structures.

WORK EXPERIENCE

University of Texas   **Arlington, USA**
Graduate Math tutor and Teaching Assistant **| Statistics, Probability, College Algebra, MS Excel, Data Analytics**   *Feb 2024 – Present*
- Involved teaching UTA undergraduate students with mathematics coursework such as Statistics, probability, college algebra, and calculus in two different tutoring spaces.
- Supported Professor Michelle Burt as a Teaching Assistant to help students to process and analyze data and to create surveys that benefited local community partners increasing the project outcome by 20%.
- Managed students to complete projects in a timely fashion, communicated well and prepped students to make presentations improving their grades by 15%.

University of Texas   **Arlington, USA**
Graduate Research Assistant **| GIS, ArcGIS Online, ArcGIS Pro, Python, SQL, MS Office, Data Science, ML**   *Sept 2023 – Present*
- Assisted Dr. Eric Jones Jr., contributing to GIS map creation and data analysis using ArcGIS Software increasing project insights by 20%.
- Headed the county-level analysis of investments using ArcGIS for all 3,142 US counties, measuring amenities distribution and developing an optimization model to elevate amenity equity.
- Explored geothermal potential ,depleted oil fields and brownfields in Southern and Southwestern US, focusing on tribal lands and identified 30+ prime locations for sustainable energy and land use development.

Advantest India Pvt. Ltd   **Chennai, India**
Software Engineer **| C#, REST APIs, MS SQL,.NET Core, .NET MVC ,XUnit, TDD, GitHub, Ubuntu ,FTP, Putty, Agile**   *Oct 2022 – July 2023*
- Created Console, Web, and Desktop applications using C# .NET Core and SQL Server improving system efficiency and achieving a 20% performance boost, particularly with large data.
- Employed XUnit and Fluent Assertions packages for Test Driven Development (TDD) performing Unit testing and reducing the number of technical issues by 30%. Additionally, data stress tests are carried upon in random scenarios handling up to 1 million lines of data.
- Designed applications following the Single Responsibility Principle, resulting in a significant reduction in code change impact which is less than 5% in the entire source code and integrated Git for version control.
- Extracted large data from FTP Server using FileZilla and optimized data computation reducing the latency by 40%.These computed data are later used for analyzing sensors performances.
- Spearheaded the development throughout the software development lifecycle using an Agile methodology reducing backlogs by 10%.
- Collaborated with stakeholders and participating in code reviews with cross-functional teams to build a secure and scalable platform.

Cognizant Technology Solutions Pvt. Ltd   **Chennai, India**
Programmer Analyst Trainee **|C#, REST APIs, MS SQL , Microsoft Azure, .NET MVC, HTML, CSS, JavaScript, Agile.**   *Sept 2021 - May 2022*
- Contributed to the development of C# .NET RESTful APIs and SQL Server for managing data storage activities.
- Enhanced project timelines by 20% through effective communication skills, providing clear task updates to the manager and cross-functional teams.

Cognizant Technology Solutions   **Chennai, India**
Full Stack Developer Intern **| C#, .Net MVC, HTML, CSS, JavaScript ,Scrum**   *March 2021 - Aug 2021*
- Built frontend of the applications with HTML, CSS and Java script ensuring an interactive and visually appealing user interface with client-side validation and achieved the backend functionality with C# .Net MVC.

PROJECTS ⬤

Lendmart - Mobile App | Project Lead, JavaScript, React-Native, HTML, CSS, Tailwind CSS, Google Firebase, Agile, Git, Jira   *Feb 2024*
- Created a user-friendly e-commerce portal for item exchange using React Native for cross-platform compatibility and Google Firebase, incorporating project management activities using Jira, which resulted in a 15% increase in user engagement.

NBA Player Position Classification | Python, Sckit Learn ,Numpy, NLTK, Pandas, SVM, Naive Bayes, Machine Learning   *Feb 2024*
- Implemented a SVM classification with optimized feature set increasing the score by 10% and achieved a training set score of 63% and validation test score of 65%.

Startup Collab – Web Application | Full Stack Developer, Project Lead , WordPress, Php, MySQL, Waterfall   *Apr 2021*
- Implemented a web application using WordPress, PHP and MySQL resulting in a 25% improvement in website loading speed.
- Optimized data storage by deallocating declared variables after execution which increased the performance by 15%.

TECHNICAL SKILLS

- **Programming & OS**   C#, Python, .Net ,Java, C, C++, SQL, Php, Algorithms ,Linux (Ubuntu) ,Windows.
- **Cloud Technologies**   Microsoft Azure, Spark , Scala, Hadoop.
- **Web Development**   HTML, CSS, JavaScript, React Native, Bootstrap, Selenium, WordPress, Agile, Waterfall, Jira, Lucid Board.
- **Machine Learning**   Pandas, Numpy, Pytest, Sckit Learn, Tensorflow, NLP , Matplotlib, Beautiful Soup, Requests.
- **Databases**   Microsoft SQL Server, MySQL, Google Firebase.
- **CI/CD and Data Visualization**   GitHub, Power BI.

AWARDS
- 'RAID Lab Outstanding Researcher Scholarship' , University of Texas Arlington   *2024*

CERTIFICATION
- **Microsoft Certified**   Azure Developer Associate(AZ-204), Azure Fundamentals (AZ-900)   *2021*
- **Udemy**   Agile and Scrum Basics, MongoDB   2021