Sheethal Kappiniraj

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Enthusiastic, self-motivated, and a seasoned Full Stack Developer with 6.5 years of experience, pursuing a Master of Data Science and Innovation from UTS. My objective is to leverage my extensive background in software development and combine it with advanced data science skills to excel in a Data Scientist role. I aspire to apply my multidisciplinary skills to create innovative solutions and drive meaningful outcomes in the field of data science. My dedication to continuous learning and my ability to bridge the gap between technology and data make me an asset to any data-driven organization.

Skills

- Programming Languages - HTML, JavaScript, jQuery, Typescript, C#.NET, Python
- Technologies - Angular 2+ (2 to 11), Angular JS, MVC, ASP.NET, REST Web API, Karma, Jest
- Libraries – Angular Material, Bootstrap, Formly forms, Octokit, Kendo UI, RxJS, Redux, Chart JS
- Methodologies - Agile
- IDEs - Microsoft Visual Studio 2017, Visual Studio Code, IntelliJ Idea
- Database - MS SQL Server 2016, MongoDB, PostgreSQL
- Version Control - Team Foundation Server, GitHub, Gitlab
- Cloud and CI/CD - Docker, Kubernetes, AWS, Azure, Terraform, Gitlab CI
- Data and Visualization – Matplotlib, Seaborn, Altair, Scikit learn, Pandas, Numpy, Exploratory Data Analysis, Modeling (Classification and Regression), Model Evaluation and Optimization.

Professional Experience

Senior Software Engineer, Siemens Technology and Services Private Limited   June 2021 - June 2023
- Automated CI, CT, and CD pipelines, incorporating SonarQube for automatic testing and code quality checks.
- Utilized Docker and Docker Compose for container-based deployment, integrating with Auth0.
- Implemented projects using Agile Scrum methodology, participating in daily stand-up meetings, sprint reviews, and sprint retrospectives.
- Drove feature development in front-end applications using Angular and ngrx store.
- Provisioned AWS and Azure resources using Terraform scripts, automating workflows through Gitlab pipelines.
- Configured CloudWatch alarms for AWS instances and Azure monitor alarms for Azure resources, ensuring optimal performance and health.
- Achieved 80% code coverage in unit testing with Jest for Angular.
- Provisioned AWS EC2 instances and Azure VMs with custom Packer-generated base images. Acted as a DevOps Cloud admin,maintaining development and production instances in Azure and AWS.
- Designed and implemented Gitlab pipelines for downloading test artifacts, generating white source reports, and publishing service images to cloud-based registries and artifactories.

Technology Analyst (Full stack Development), Infosys Limited   January 2017 - June 2021
- Led refactoring of monolithic applications into Microservice and component-based architectures.
- Designed and implemented UI components using a Micro Frontend approach in Angular, utilizing custom components and open-source libraries for responsive and user-friendly front-ends.
- Built Angular directives for custom controls, such as grids and date pickers, and devised custom pipes for data formatting in the UI.
- Achieved 80% code coverage in unit testing using Jasmine with Karma and Jest for Angular applications.
- Integrated dynamic JSON-based forms in Angular utilizing the Formly Forms library, designed dashboard views with reusable components and widgets leveraging Chart.js, and developed a form-based utility employing GitHub API and Octokit library for building template plugins, configuring pipelines, and deploying via web hooks.
- Built responsive front-end web applications leveraging Angular 8, Angular Material and Kendo UI.
- Automated processes previously managed in Excel sheets by developing web applications using Angular 4, Web API, and SQL Server.
- Deployed a tool in AngularJS on SharePoint for visualizations and maintenance.
- Translated business requirements into technical specifications, assigned and reviewed work, and provided guidance to team members.
- Developed REST/Web APIs for services, tested with Postman, and integrated into Angular applications for data binding.
- Acted as SharePoint Site Control Administrator (SCA), designing forms using InfoPath forms and overseeing access review operations.

Education

Master of Data Science and Innovation   **July 2023 - July 2025**
University of Technology Sydney (UTS)
- Advanced Data Science and Deep Learning

Front-end Web Development - Nanodegree   **June 2016 - November 2016**
Udacity
- Front-end Web Development and Optimization Certificate

Bachelor of Engineering   **July 2012 - May 2016**
Anna University
- 8.28 CGPA

Higher Secondary Education   **May 2010 - May 2012**
Breeks Memorial Anglo Indian Higher Secondary School
- 89%

Secondary Education - CBSE   **May 2009 - May 2010**
Breeks All India Secondary School
- 9.2 CGPA

Extra-Curricular and Certifications

Equity Ambassador – UTS Center for Social Justice and Inclusion   **February 2024 - Present**
- Support and delivery of group mentoring, academic tutoring, workshops and presentations.
- Program delivery to support academic preparedness and access to university for target equity groups under-represented in higher education.
- Facilitate group activities covering faculty-based and transdisciplinary content during on-campus, in-school and online workshops, and events.

Deloitte Australia Technology Job Simulation on Forage   **January 2024**
- Completed a job simulation involving data analysis for Deloitte's Technology team.
- Created data dashboards using Tableau.
- Wrote a proposal for a client project to create a functioning dashboard.
- Used Excel to classify data and draw business conclusions.

Student Consultant - Study Australia Industry Experience Program by Study Australia on Practera   **September 2023**
- Collaborated with a team of student consultants and clients to discuss and understand a problem statement.
- Researched and brainstormed innovative solutions to solve the problem.
- Performed data analysis and trends to support recommendation provided incorporating client feedback.
- Presented report stating evidence and data analysis results into an innovative solution.

UTS BUILD Certificate, Beyond UTS International Leadership Development   **July 2023 - Present**
- Global leadership program to harness leadership and develop competencies as a global citizen and leader.

UTS SOUL Award, Social justice leadership and volunteering   **July 2023 - Present**
- Applying skills and knowledge to the real world while developing leadership skills and building networks.

Junior Red Cross, School Red cross captain   **May 2011 - May 2012**
- Volunteering to enable contributions to world peace and humanitarian services.

Volunteer Experience

- Volunteer Team Leader at International Student Welcome Desk with Study NSW and Communiteer
- Volunteer at Sydney Children's Hospital and Foundation
- Volunteer at Sydney Marathon 2023

Casual Work Experience

- **Educator - Camp Australia, (Working with Children Check and CPR First Aid Certificate)**   **August 2023 – Present**
- **Sales Assistant – Bevilles Jewelers**   **October 2023 – December 2023**
- **Sales Associate – Portman's (Just Group)**   **October 2023 - Present**

Interests

Reading, Gardening, Dancing, Badminton

References

Provided on request.