Puneeth Gante Hanumappa

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Education

University of Colorado Boulder — Boulder, CO, USA
Master's in Computer Science - GPA: 4 / 4 — *Aug 2022 – Dec 2024*

PES Institute of Technology — Bengaluru, KA, India
Bachelor of Engineering in Information Science - GPA: 8.59 / 10 — *Aug 2014 – Sep 2018*

Technical Skills

Languages: Java, Javascript, HTML/CSS, Python, Microsoft PowerShell, C#, SQL
Frameworks/DB/Web Service: React, Angular, Pester, Docker, SpringBoot
Developer Tools: Amazon Web Services, Google Cloud Platform, Kubernetes, Git, Jira , Jenkins, VS Code, Visual Studio, Eclipse, InstallShield, Kafka, MongoDB

Experience

Course Manager — **Jan 2023 – Present**
University of Colorado Boulder — *Boulder, CO, USA*

- Currently serving as a Course Manager for the Datacentre Scale Computing and Object-Oriented Analysis and Design courses, actively assisting students and supporting course instructors in their learning and projects.

Software Engineer — **July 2018 – June 2022**
Electronics For Imaging (EFI), (now eProductivity Software) — *Bengaluru, KA, India*

- Crafted a web application using Angular (front-end) and C# (back-end), optimizing suite component deployment on customer machines. Achieved a remarkable 40% reduction in manual installation efforts by the services team, significantly enhancing operational efficiency.
- Spearheaded AWS operations, including EC2, S3 storage, and IAM management, while driving the adoption of AWS S3 storage for suite certification releases. Achieved a significant reduction in download times (2 hours to 10-15 minutes) and streamlined $CI\backslash CD$ deployments from a day to just 6-8 hours.
- Pioneered the establishment of the department's first $CI\backslash CD$ pipeline, leveraging Jenkins and PowerShell scripts, reducing deployment time and automating processes from a week to a single day.
- Enhanced a Java-based project for estimating lines of code and functionality, boosting work estimation accuracy by over 30% to expedite product modernization efforts.

Software Engineer Intern — **Jan 2018 – June 2018**
Electronics For Imaging (EFI), (now eProductivity Software) — *Bengaluru, KA, India*

- Executed end-to-end silent installation and configuration of suite products using PowerShell as an integral part of the DevOps cycle, while also significantly improving unit test coverage by 25% through the implementation of Pester.

Projects

Arxiv Insanity | *React, GoLang, Neo4j, Redis, Docker, Kubernetes, Terraform* — **Dec 2023**

- Developed a web application using GoLang, Neo4j, and React to enhance literature review process.
- Implemented an interactive citation network for primary research papers, enabling effortless tracking and exploration of additional related papers of interest. Leveraged Terraform for scalable infrastructure deployment.

HandyScan | *GCP, Docker, Kubernetes, Kafka, MongoDB, SpringBoot, React* — **May 2023**

- Designed a cloud-hosted microservices architecture, enabling the transformation of written notes into audiobooks.
- Orchestrated deployment on Google Kubernetes Engine, establishing seamless intercommunication via Kafka message queues, and employed MongoDB to manage metadata. Integrated a SpringBoot backend service, facilitating API calls from the React-based UI while enabling dynamic scaling of server and worker nodes based on CPU utilization.

Best Price Predictor | *Angular, Python, Elasticsearch, Kibana* — **January 2022**

- Developed a Machine Learning model for price prediction, winning the company hackathon event by enhancing the sales order tab's pricing data accuracy in the product.
- Leveraged Kibana dashboard for real-time result visualization and introduced an AI bot with an Angular UI/UX framework to present pricing data. Subsequently, the project successfully transitioned to a fully integrated feature.