Divyalakshmi Varadha Rajan Prem Sudha

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EDUCATION

Michigan State University – East Lansing, MI　　　　　　　　　　　　　　　　**GPA: 3.84, Dean's List**

Bachelor of Science, Computer Science and Mathematics (Honors College), Minor in Entrepreneurship　　　*May 2026*

Google CSRMP '23 | Google Cloud Next '23 | GHC '23 | Google WTM Ambassador | Cole Scholar | Michigan Scholar | Page Scholar | SheFi Scholar | Anita.Borg member | Rewriting the Code member | x5 Hackathon Winner| Google Cloud Digital Leader

Relevant Coursework: Operating Systems, Object Oriented Design, Data Structures Algorithms, Machine Learning, Design Thinking, Biometrics and Pattern Recognition, Computer Networks, Computer Organization, Algorithm Engineering.

EXPERIENCE

TechSmith – East Lansing, Michigan

Software Engineering Intern – Site Reliability　　　　　　　　　　　　　　　　May 2024 – August 2024

- Iterated on capabilities and features of Cloud Native infrastructure, including **Kubernetes**, **Flux**, and **Prometheus.**
- Extended the code bases that drive cluster operations automation for **50+** services using **GitHub CI/CD**, **Terraform**, **Helm**, **Nginx**, **Traffic Managers, Docker, Go,** and **Azure DevOps.**
- Collaborated with other **5** Software and DevOps engineers to create and deploy an Internal Developer Portal (IDP) using **Backstage**, **Shell Scripting**, **Typescript, and RESTful APIs** to streamline the workflows of **300+** developers.

TP Connects (Airline Industry) – Dubai, United Arab Emirates

Data Science Intern　　　　　　　　　　　　　　　　　　　　　　　　　June 2023 – August 2023

- Automated the generation of **2** Quarterly Reports using **Power BI**, **MySQL**, **AWS S3, AWS Athena**, and **Datadog,** enhancing work efficiency by **60%.**
- Cleaned and visualized bronze and silver-layer airline booking data and ticketing data from major clients – Oman Air and **100**s of IATA travel agencies – using **Excel**, and **Pandas.**
- Engaged in daily stand-up meetings with **4** Data Scientists and Product Managers to streamline data management using **Jira** and **Agile Methodologies**.

Google Developer Groups (GDG) – East Lansing, MI　　　　　　　　　　　　October 2023 – Present

President and Cloud Student Innovator

- Selected among **16,000** applicants to be a part of an exclusive cohort of **200** student innovators by Google Cloud.
- Kickstarted MSU's GDG chapter with **130** members and led a team of **12** leaders to host technical workshops on Google Developer tools such as **Flutter, Dart**, **Firebase**, **Tensorflow, Gemini, Big Query,** and **Google Cloud Platform.**

Spartan Hackers (MSU's Largest CSE Club) – East Lansing, MI　　　　　　　September 2023 – Present

Technical Lead

- Refactored the club's website used by **1200+** members through **HTML, CSS, MongoDB, Express.js, React.js, Tailwind CSS**, and **Node.js** by leading a technical team of **3** web developers.
- Organized **50+** weekly technical workshops on Web and Mobile Development, **GenAI**, **NLP**, **AWS**, and **2** internal hackathons, and trained students of all majors to participate in hackathons.

PROJECTS

MoodMelody.AI – 3RD Place Winner Worldwide @ TikTok Tech Jam 2024　　　　　August 2024

Tech Stack: React.js, Material UI, Gemini AI API, Flask, Hugging Face, Python, AWS S3, AWS Sagemaker, Vercel, DNS Prompt Engineering, Machine Learning, Langchain

- Spearheaded a team of **3** developers to deploy an AI web app that generates mood-based background music using **Gemini AI API**, **Hugging Face**'s open-source models for content creators to amplify online presence.

CrowdSecure – Best Cybersecurity Hack Award @ MHacks 2023　　　　　　　November 2023

Tech Stack: Web3, Hedera, Node.js, JavaScript, Python, Git, GitHub, Figma, Linux

- Led a team of **3** developers to create a blockchain-based secure and transparent crowdfunding platform using **Web3** and **Hedera** for charities inspired by the Quadratic Funding Algorithm from GitCoin.

TECHNICAL SKILLS

Languages – Python (Pandas, Streamlit), R, C, C++, HTML, CSS, JavaScript, Typescript, Go, Terraform, Dart.

Framework/Tools – React.js, Next.js, Node.js, Express.js, Flutter, Flask, Material UI, Tailwind CSS, Git, GitHub, Linux, Power BI, Datadog, Tensorflow, Excel, Jira, Agile Methodologies, Hugging Face, AWS Sagemaker, Vercel, RESTful APIs, Figma, Hedera.

Databases & Cloud Services – MySQL, MongoDB, AWS Athena, AWS S3, Big Query, Google Cloud Platform, Azure DevOps, Github CI/CD, Firebase, Kubernetes, Flux, Prometheus, Grafana, Shell Scripting, Nginx, Docker, Helm, Traffic Managers, Gemini AI API, Langchain, Web3, Machine Learning, Prompt Engineering.