

Nandhakumar Ranganathan Ganesh

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Education

Florida State University

Master of Science in Data Science, GPA: 3.82/4.0

Aug 2023 – Dec 2024

Tallahassee, FL

Kongu Engineering College

Bachelor of Engineering in Computer Science, CGPA: 8.3/10

Aug 2019 – May 2023

Perundurai, India

Relevant Coursework

- Data Structures
- Database Management
- Machine Learning
- Web Development
- Algorithms Analysis
- Artificial Intelligence
- Data Mining
- Software Engineering

Technical Skills

Programming Languages: C, C#, Java, JavaScript, HTML, CSS, Python, TypeScript, SQL

Frameworks & Libraries: React.js, Node.js, ASP.NET Core, Entity Framework, R

Databases: SQL Server, MongoDB, Firebase, NoSQL, SQLite, MySQL, MS Access

Cloud & DevOps : Docker, Azure, AWS, Azure DevOps, Zapier

Data & Web Tools : Power BI, ETL, SSIS, Webflow, WordPress, Mailchimp, Windows, Linux, macOS

Experience

University Health Services, Florida State University

Application Developer

May 2024 – Present

Tallahassee, FL

- Implemented and maintained high-performance web applications using ASP.NET Core 8.0 and Entity Framework.
- Streamlined and managed large-scale databases with Microsoft SQL Server, improving data retrieval speed by 20%.
- Implemented new features and enhanced existing functionalities, leading to a 15% increase in user satisfaction.

JHCreative

Software Engineering Intern

May 2024 – Aug 2024

Tallahassee, FL

- Automated business processes using Zapier, reducing manual workload by 30%.
- Modernized and executed marketing strategies, contributing to a 25% increase in customer engagement.
- Analyzed and optimized automation workflows, enhancing overall efficiency by 20%.

COATS Group

Software Engineering Intern

Oct 2022 – June 2023

Madurai, India

- Redesigned 15+ responsive UI components using React.js and TypeScript, reducing UI-related support tickets by 40%.
- Boosted user satisfaction by 50% and reduced load times by 20% by optimizing React Testing Library and Node.js.
- Managed MySQL databases and improved queries, enhancing performance by 35% and reducing downtime by 15%.

Projects

Nole Health Reporting — ASP.NET Core | *Professional Project*

May 2024 – Aug 2024

- Created 10+ internal medical reports for FSU (UHS) using SQL, EF Core, and Chart.js for data visualization.
- Automated appointment printing and report emailing, reducing manual effort by 50% using Dapper, Quartz, and SSIS.

LLM Image Model and Chatbot Application using Generative AI | *Personal Project*

Jan 2024 – Feb 2024

- Developed a chatbot using Generative AI for text and image processing, improving query response accuracy by 35%.
- Deployed the application with Docker, reducing deployment time by 40% and ensuring consistent environments.

Exploratory Data Analysis using Regression Models | *Academic Project*

Oct 2023 – Dec 2023

- Engineered regression models in R for predictive analytics, achieving an R-squared value of 0.92.
- Enhanced model performance by 25% using cross-validation and optimization techniques.

Certifications

Learning Power BI Desktop

Aug 2024

Skills: Power BI Credential URL: [View Certificate](#)

Build Your Generative AI Productivity Skills with Microsoft and LinkedIn

Apr 2024

Skills: Prompt Engineering, Artificial Intelligence for Business Credential URL: [View Certificate](#)

Introduction to Prompt Engineering for Generative AI

Apr 2024

Skills: Generative AI, Natural Language Processing (NLP) Credential URL: [View Certificate](#)