GODWIN WILFRED RAJ A

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SUMMARY

Motivated pre-final-year Computer Science Engineering student with a strong foundation in fullstack development and data science. Hands-on experience in React.js, Tailwind CSS, FastAPI, and the MERN stack, with practical exposure to real-world AI and cybersecurity projects. Passionate about building scalable web applications and contributing to innovative, tech-driven solutions, and exploring HR-management skills.

WORK EXPERIENCE

Fullstack developer & Data Science Intern, TamrielAGI USA (Remote)   July 2024 - Present

- Interned as a Javascript & Fullstack Developer creating software and company portfolios using React.js, modern UI and animation libraries; played a major role in developing a highly accurate Q&A chatbot through fine-tuning strategies; currently working on AI-based industry solutions.

Web development Intern, CRITTER GRAPHIX (OPC) Pvt Ltd   Nov 2023 - Dec 2023

- Created engaging landing pages and interactive webpages using HTML, CSS, and JavaScript; utilized various web development tools to optimize workflow and boost productivity.

Cyber Security Intern, ELEWAYTE Pvt Ltd with WIPRO DICE ID   Jan 2024 - Mar 2024

- Executed vulnerability assessments and security audits; implemented defensive measures against cyber threats; developed security documentation and incident response procedures; collaborated on WIPRO DICE ID integration ensuring secure authentication protocols and data protection compliance.

PROJECTS

Collaborative Idea Research Platform (Mini Project)

- Developed a comprehensive platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) that enables researchers and creators to share project ideas and connect with relevant experts for collaboration, facilitating knowledge exchange and project development across disciplines.

Customer Service Chatbot (Internship)

- Engineered a domain-specific customer service solution using RAG methodology on Google Cloud Platform, integrating Vertex AI with a React frontend and FastAPI/Node.js backend. Trained and fine-tuned the AI model to accurately respond to specialized customer inquiries, significantly improving response accuracy and reducing resolution time for technical support queries.

Expense Tracker with Integrated Calculator (Personal)

- Designed and implemented a comprehensive expense management solution featuring an integrated calculator for real-time financial calculations, enabling users to efficiently track, categorize, and analyze personal or business expenses while maintaining detailed spending records for improved budgeting decisions.

AI Chatbot (Personal)

- Built a responsive conversational interface using GPT API with Java/Python backend and modern HTML/CSS frontend, implementing context-aware dialogue management and multi-platform compatibility.

Weather Monitoring App (Personal)

- Designed a responsive weather application with OpenWeatherMap API integration, featuring real-time conditions, forecasts, and location-based alerts through a visually appealing HTML/CSS interface and efficient Java data processing.

More projects on GitHub: github.com/Godwin-7

RESEARCH PAPERS PUBLISHED

- SPRINGER : **Machine Learning - Assisted Food Quality Index Determination for Healthcare** in Proceedings of International Conference on Computational Intelligence (ICCI 2023) as a Part of the book series: **Algorithms for Intelligent Systems (AIS)**.
  { https://link.springer.com/chapter/10.1007/978-981-97-3526-6_8 }

> ➢ SCRIVENER : **Texture-Based Classification of Organic and Pesticidal Spinach Using Machine Learning** (Scrivener 2025) as a Part of the book series: **Environmental Monitoring Using Artificial Intelligence**.
> { https://www.scrivenerpublishing.com/cart/title.php?id=1106 }

TECHNICAL SKILLS	PROGRAMMING LANGUAGE	AREAS OF INTERESTS
• React JS • Express JS & Node JS (fundamentals) • Data Analysis & Visualization (Pandas, NumPy, Power BI) • FastAPI & Mongo DB (fundamentals)	• Python • C++ • Java • C • PHP & SQL (fundamentals)	• Frontend development • Data Science • Cyber Security • Web Application Development • Hardware Real-world Projects • HR and Management

EDUCATION

B.E in Computer Science Engineering with Data Science Honors **Nov 2022 - Present**
Velammal Engineering College, Chennai **8.38 CGPA**
- Specialization in Data Science & Fullstack development.

Higher Secondary (XII) **Jun 2021 - Mar 2022**
Don Bosco Matriculation Hr. Sec. School, Egmore, Chennai – 600008 **83.4%**

Secondary (X) **Jun 2019 - Mar 2020**
Don Bosco Matriculation Hr. Sec. School, Egmore, Chennai – 600008 **83.8%**

CERTIFICATIONS

- **NPTEL**: **Cloud Computing** (IIT Kharagpur), **The Joy of Computing using Python** (IIT Madras), **Soft Skills** (IIT Roorkee), **Cyber Security and Privacy** (IIT Madras), **Introduction to Machine Learning** (IIT Madras), **Entrepreneurship** (IIT Madras), **Human Resource Development** (IIT Kharagpur).
- Course on **Cyber Security –** Elewayte**.**
- Value added course on "**Advanced Robotics and Cloud computing**" conducted at Velammal Engineering college.
- Online certification course in **Communication Skills, Presentation Skills & Business Etiquette** through TCS ION**.**

EXTRA CURRICULAR AND OTHER ACHIEVEMENTS

- Merit rank in **SpellBee International** Competition (2014-2015); **State Top 10** in SpellBee Group 1 (2010-2011); **School First** in SpellBee – Group 1 (2010 – 2011) & **School Second** in Group 3 (2012 – 2013).
- **Dr. Pratap Reddy Award** for **Outstanding Cadet in NSS** for the year 2021 – 2022.
- **Kala Shri Award** for best handwriting in '**All india Handwriting Competition**' 2018 – 2019.
- Recipient of **General Proficiency Topper Award** at school for continuous 8 years during 2010 to 2018
- **First prize in Mime, Adzap and Turn coat** competition conducted at 'Namma VEC 2024' by Velammal Engineering College.
- Secured **Third** Place in **DB Science Expo** conducted on 13th October 2017.
- Participated in the "**INTERNATIONAL KANI TAMIL'24 CONFERENCE**" organized by Government of Tamil Nadu.
- Participated in **SOF International General Knowledge Olympiad & Mathematics Olympiad** held during September 2018**.**

DECLARATION

I hereby declare that all the information given above is true and correct to the best of my knowledge.

Godwin Wilfred Raj. A