M Bettscy Doyal

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Professional Summary

Senior-year Computer Science undergraduate with hands-on experience in AI development, automation testing, and full-stack application design. Skilled in Python and modern frameworks such as FastAPI, Django, and Selenium. Passionate about building efficient, data-driven systems that combine AI innovation and software quality assurance to deliver scalable, user-focused solutions.

Experience

Galvanize Global Education   Jun 2025 – Present
AI Intern   Chennai, India
- **Developed** AI-driven learning tools and dashboards, increasing student engagement by 25% and **streamlining** performance tracking for 500+ learners.
- Collaborated on developing test automation scripts for AI model validation and performance benchmarking using Python and PyTest.

Hitachi Payment Services Pvt. Ltd. | Certification   Dec 2024 - Jan 2025
Web Developer Intern   Chennai, India
- **Engineered** and **maintained** web applications within the development team, **ensuring** seamless functionality and intuitive UX.
- **Implemented** backend solutions in SQL, Python, and C# for .NET, **improving** application efficiency and database management.

Projects

Creating an Emotional AI for Interactive Storytelling Application   **Machine Learning**
Ollama API, SQLite
- **Designed** an Emotional AI model via Ollama API, **boosting** user engagement by 40% through emotion-driven narratives.
- **Analyzed** 60+ user interactions to **refine** emotional responses for better immersion.

Gen AI based Recipe Website   **Generative Artificial Intelligence**
Python, Fast API, Brave API
- **Built** a recipe-sharing platform that **converts** user-provided ingredients into AI-generated cooking videos, **reducing** search time by 70%.
- **Scaled** system capacity to handle 500+ daily requests with sub-3-second generation time.

Pharmacy Management System   **Database Management**
Python, SQL, JavaScript
- **Created** and **deployed** an inventory and sales management tool, **reducing** tracking time by 60% and **achieving** 99% record accuracy.
- Managed a database of **10,000+ medicine records**, enabling quick search and automated restock alerts.

Sentiment Analysis using QNLP   **Quantum NLP**
Python with libraries like PennyLane, NumPy, Pandas, and Scikit-learn
- Developed a QNLP-based sentiment analysis model leveraging quantum circuits and tensor networks, **improving classification accuracy by 18%** over classical models.
- **Accelerated** training by 30% via optimized quantum circuit design.

Education

SRM University of Science and Technology   Jun 2022 – May 2026
Computer Science   GPA: 9.14/10

Alwin Memorial Public   Jan 2021 – May 2022
XII · CBSE · Chennai   78.9%

Velammal Vidhyashram   Jan 2019 – May 2020
X · CBSE · Chennai.   87%

Awards

Techknow 2022-23 | Department of Physics and Nanotechnology | Certificate   Apr 2023
- **Presented** and **showcased** an Arduino-based Line Following Robo Car at *Techknow 2022-23*, organized by SRMIST's Department of Physics and Nanotechnology.
- **Earned** *Best Project* recognition from the expert technical committee and **secured** 1st place for exceptional real-time accuracy.

Certifications

NVDIA	Deep Learning	Certification	2022 – 2027
ORACLE	Oracle Certified Foundations Associate – Globally Certified	Certification	2024 – 2025
FORTINET	Fortinet Certified Associate Cybersecurity - Globally Certified	Certification	2025 – 2027

Skills

Programming Languages: Python, Java, C, C++, JavaScript, HTML, CSS
Web Technologies & Frameworks: Django, FastAPI, RESTful APIs, Selenium, Postman, PyTest
Databases: MySQL, MongoDB (NoSQL)
Tools & Platforms: Docker, AWS, Tableau, Power BI, Jenkins, Git, JMeter
AI & Emerging Technologies: Generative AI, Quantum NLP, Ollama, OpenAI API, AI-Assisted Testing (Copilot, Claude)