NAVEENA CR

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OBJECTIVE

Enthusiastic Computer Science Engineering student (2026) with strong skills in Python, AI, and cloud technologies. Passionate about building intelligent systems and scalable web applications using modern tools like AWS and NLP.

SKILLS AND CERTIFICATIONS

Programming Languages and Database: Python, C, HTML, CSS, MySQL
Technical Skills: Cloud Computing, Prompt Engineering, Data Structures & Algorithms, DBMS
Tools & Platforms: AWS, Git, GitHub, Microsoft Power Point, Word, Excel
Languages: English, Kannada, Hindi (Beginner)
Certifications: Programming in Java and Cloud Computing from NPTEL, Database and SQL from Infosys Springboard, ChatGPT for everyone from Learn Prompting.

EXPERIENCE

Domain Specific Training – Amazon Web Services (AWS)

- Completed Domain Specific Training in the domain of Amazon Web Services (AWS).
- Learned cloud fundamentals, including EC2, S3, IAM, and deployment services.
- Understood how to design, build, and manage scalable cloud-based applications.
- Strengthened practical knowledge of cloud infrastructure, storage, and virtualization.

PROJECTS

AI-Based Smishing Detection Android Application

- **Objective:** Develop an AI-powered Android application that detects and classifies smishing (SMS phishing) messages in real time to enhance user security.
- **Technologies:** BERT, PyTorch, Python, Flask, Kotlin (Android), OkHttp, Transformers Library, Scikit-learn, Pandas, NumPy, XML, Android SDK
- **Functionality:** The Android application captures incoming SMS and sends them to a Flask backend powered by a BERT-based NLP model (96.31% accuracy) for classification, providing users with instant, color-coded threat alerts.

Detection of Brain Tumor and Alzheimer's Using Machine Learning

- **Objective:** Developed an AI-based system to detect brain tumors and Alzheimer's from MRI images.
- **Technologies:** Python, TensorFlow, OpenCV, NumPy, Pandas; machine learning (SVM and CNN).
- **Functionality:** Incorporated preprocessing, feature extraction, and result visualization for improved diagnostic accuracy.

Humany AI – Conversational Chatbot

- **Objective:** Designed and developed a responsive web-based AI chatbot to deliver conversational assistance and perform document summarization with advanced NLP capabilities.
- **Technologies:** HTML, CSS, JavaScript, PDF.js, Web Speech API; AWS S3, Lambda, API Gateway, CORS; Llama3.2-vision model via IVIS Labs API.
- **Functionality:** Supports voice/text interaction, PDF & TXT summarization, theme toggle, chat history export, and secure AWS-based deployment.

EDUCATION

ATME College Of Engineering, Mysore — Pursuing
BE in Computer Science and Engineering
CGPA: 8.13

Maharaja Govt PU College, Mysore — 2022
PUC: 72.5%

Govt High School, Chidaravally, Mysore — 2020
SSLC:87.52%

EXTRACURRICULAR ACTIVITIES

- **UDGHAM – Department Innovation Club, ATME College of Engineering (CSE Dept.)**
  - Serving as Head of the Documentation Committee, responsible for preparing reports, event summaries, and official documents for all club activities.
  - Contribute to organizing events, ideathons, and AICTE-driven activities under the club's theme "Raising Bytes of Wisdom."
  - Coordinate with other committees to ensure accurate and professional documentation of club initiatives.
- **CODE VAULT 2025 – 24-Hour Hackathon**
  - Participated in **CODE VAULT 2025 – 24-Hour Hackathon at MIT Mysore**, where I developed a **Generative AI Chatbot** with personality and memory features.