SWATHI A V

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OBJECTIVE

Hard-working B.Tech Computer Science and Engineering student with hands-on experience in developing data preprocessing workflows and implementing machine learning algorithms. Seeking to leverage technical skills and problem-solving abilities to contribute effectively to innovative projects and research.

EDUCATION

Bachelor of Technology in Computer Science and Engineering — Expected 2025
- Government College of Engineering Kannur
  GPA: 8.27

12th Grade — 2021
- Government Higher Secondary School Kunhimangalam
  Percentage: 99.25

10th Grade — 2019
- Government Higher Secondary School Kunhimangalam
  Percentage: 97

SKILLS SUMMARY

- **Programming Languages**: C, Python, HTML, SQL
- **Frameworks**: JustPy
- **Tools**: VS Code, PyCharm, MySQL
- **Soft Skills**: Leadership, Problem Solving, Event Management, Writing, Public Speaking, Time Management
- **Languages**: English, Malayalam, Hindi

EXPERIENCE

Internship at CAIR, DRDO — June 2024 - July 2024
- Intern (Full-time)

  - **Workflow Automation for NLPs**: Developed an automated preprocessing workflow for natural language processing tasks.
  - **Data Extraction and Preprocessing**: Extracted and preprocessed content from various file formats.
  - **Word Embedding Techniques**: Implemented and compared techniques including TF-IDF, Bag of Words, Word2Vec, and GloVe.
  - **Clustering Analysis**: Applied clustering algorithms such as K-Means, MiniBatch K-Means, and Hierarchical Clustering for data analysis.

PROJECTS

- **A Workflow For Preprossing Automation Towards NLP**: Developed an automated preprocessing workflow for natural language processing. Extracted and preprocessed content from various file formats and clustering them together based on similarity.
- **PocketGuard**: Developed a personal budget management website to help users track expenses, set financial goals, and analyze spending patterns.

VOLUNTEER EXPERIENCE

- Vice Chairperson - IEEE WiE AG GCEK
- State Coordinator – NRPF, APJKTU NSS CELL
- Executive Committee Member - NSSGCEK
- Active member of ISTE, IEEE, NSS, ROBOCEK, SHE GCEK