

Shashank D P

Computer Science and Engineering
Alvas Institute Of Engineering and Technology, Karnataka

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EDUCATION

- **Alvas Institute Of Engineering and Technology, Karnataka** 2022-26
Bachelor of Technology in Computer Science and Engineering CGPA: 8.2
- **Mandaara Pre-University College, Karnataka** 2020-22
Science Stream, State Board of Higher Secondary Education Percentage: 92%

PROJECTS

•Product Management System using Java Full Stack

A full stack web application to manage product inventory, including CRUD operations, reporting, and user interaction.

- Developed a full stack product management system with functionalities to add, update, delete, and view products.
- Built the front-end using **HTML, CSS, JavaScript**, and integrated it with **Java Servlets and JSP** for dynamic content rendering.
- Designed and connected the backend using **JDBC** to perform database operations on a **MySQL** database.
- Implemented features such as category-based filtering, price-based search, and product sales report generation.
- Technology Stack: **Java, JSP, Servlets, JDBC, MySQL, HTML, CSS, JavaScript**.

•Automated Image Caption Generation using Deep Learning

A deep learning project to generate human-like captions for images by combining computer vision and natural language processing.

- Built an end-to-end pipeline to generate descriptive captions for images using the **Flickr8k** dataset.
- Used a pre-trained **VGG16** CNN to extract image features and fed them into a **Recurrent Neural Network (RNN)** for sequence generation.
- Trained and evaluated the model using TensorFlow and Keras, ensuring contextually accurate and relevant captions.
- Handled image preprocessing, tokenization, padding, and implemented BLEU score evaluation for caption quality.
- Technology Stack: **Python, TensorFlow, Keras, VGG16, RNN, NLP, Computer Vision**.

TECHNICAL SKILLS

Languages: C, Java, Javascript, Python, HTML, CSS, MySQL

Developer Tools: VScode, Eclipse, Git, Github, Jupyter Notebook

Technologies/Frameworks: ReactJs, Figma

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Computer Networks.

Soft Skills: Problem Solving, Self-learning, Adaptability

ACHIEVEMENTS

- Winner of the **UI/UX Design Competition** at college, recognized for innovative and user-centric interface design.
- Solved 175+ problems on DSA in CodeChef.
- Solved 100+ problems on DSA in LeetCode.
- Completed a course on Analysis and Design of Algorithms on CodeChef.

EXTRACURRICULAR

- Led Swachh Bharat awareness programs in rural areas, organizing activities to promote cleanliness, hygiene, and community participation.
- Conducted Digital Literacy Campaigns in villages to raise awareness about UPI payments and secure digital transactions.