

DURGA PRASAD

Pune, Maharashtra - 412101

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Education

Modern Education Society's College of Engineering, Pune

Dec. 2021 – June 2025

Bachelor of Engineering in Computer Science

SGPA: 7.92/10

Technical Skills

Languages: C++, Java

Front-end: HTML, Tailwind CSS

Frameworks/Tools: Spring Boot, Spring, Hibernate, MVC Architecture, Maven

Cloud Platforms: Amazon Web Services (AWS)

Databases: PostgreSQL, MySQL

Additional Skills: RESTful APIs, Kafka, Docker, GitHub

Relevant Certifications

- Google AI Essentials
- Machine Learning Specialization (Deep Learning)
- Game Development
- AWS Solutions Architect (Forage)

Projects

AI Email Assistance | *Spring Boot, Spring AI, Google Gemini API, React.js*



- **Developed** an AI-based Smart Email Assistant using **Spring Boot** and **Spring AI**, capable of generating context-aware email replies based on user input, enhancing email response efficiency.
- **Integrated** the application with **Google's Gemini API** to enhance AI-driven response generation, including dynamic tone adjustments like professional, casual, and friendly.
- **Built** and deployed a custom Chrome Extension for seamless integration with Gmail, enabling real-time AI-generated replies directly within the email interface.

LinkLytics - URL Shortener | *Spring Boot, React.js, MySQL, JWT, Chart.js*



- **Developed** a full-stack **URL Shortener** application using **Spring Boot** and **React.js**, implementing modern web development practices for seamless performance.
- **Implemented** secure **JWT-based Authentication** with **Spring Security**, ensuring robust user authorization and data protection.
- **Integrated** real-time **Analytics and Data Visualization** using **Chart.js**, enabling detailed tracking of URL performance and user engagement.

Voice Assistance Platform | *Python, Speech Recognition API*



- **Developed** a Python-based personal voice assistant (Jarvis) capable of performing 50+ tasks, including browsing the web, monitoring the system, email automation, and real-time data retrieval.
- **Integrated** APIs (**OpenAI**, **OpenWeatherMap**) and libraries (**pyttsx3**, **speech recognition**) for advanced functionalities such as weather updates, news retrieval, and AI-powered chat.
- **Automated** system monitoring with **psutil** and **pyautogui**, enabling real-time battery alerts, screenshot captures, and control of brightness.

Age Classification Model | *Python, Keras, TensorFlow, Pandas, Numpy*



- **Developed** an age classification model using transfer learning with the **VGG16 architecture**, achieving **85%+ accuracy** in classifying age groups.
- **Pre-processed** and augmented a dataset of **5,148 images**, improving model training efficiency and reducing pre-processing time by **30%** through automation of repetitive tasks.
- **Applied** L2 regularization and dropout layers to reduce overfitting, resulting in a **15% improvement** in validation accuracy.

Achivements

Solved **500+** problems across multiple platforms like Leetcode, Coding Ninjas, Codeforces.

1828 rated (on Leetcode)

1743 rated (**3 * coder** in Codechef).

2268 rated (**Specialist** at Coding Ninjas).

Ranked 1st in Coding Challenge - Delhi Skill & Entrepreneurship University.

Global Rank **10th** - Weekly Coding Ninjas Contest 154.