Bhavashesh Dachapalli

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EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY , CHENNAI

B.Tech
Computer Science and Engineering
Expected: May. 2027 | Chennai, India
Cum. GPA: **9.48 / 10.0**

EXCELLENCIA JUNIOR COLLEGE

Grad. April 2023 | Hyderabad, Telangana, India
Class XII : **91.1%**

DELHI PUBLIC SCHOOL

Matriculation: May 2021 | Hyderabad, Telangana, India
Class X : **89%**

SKILLS

LANGUAGES

• C • C++ • Java • Python • JavaScript

WEB AND DATABASE

• HTML • CSS • MySQL • MongoDB

• React.js • Tailwind CSS • Node.js

• Figma • FastAPI • Flask • Firebase

MOBILE DEVELOPMENT

• Flutter

DEPLOYMENT

• Git • Vercel • Docker • Uvicorn

EMBEDDED SYSTEMS & IoT

• Arduino • ESP32 • IoT Sensors

BLOCKCHAIN & DECENTRALIZED

• Solidy • Truffle • Ganache

• Ethereum

MACHINE LEARNING

• Tensorflow • Pandas • Keras

• Scikit-Learn • Numpy • OpenCV

• NLP • Matplotlib

LEADERSHIP & EXPERIENCE

IEEE Society, Chennai: Web Dev Member

Oct' 2024 - Sep' Present

• Building and developing fully responsive web pages with optimized layouts for seamless user experience.

The Directorate of Student Affairs (DSA): Committee Member

Aug' 2023 - Sep' Present

• Organized events such as student fests, workshops, and hackathons while also providing support in student-related matters and activities.

Aaruush, SRM University

Aug' 2023 - Oct'24

• Organized events, workshops, and hackathons, enhancing student engagement and supporting campus initiatives.

PROJECTS

AGRISYNC | AI-Powered Smart Farming & Marketplace

Mar' 2025 - Mar'2025

• Predicting crop prices, detecting plant diseases and soil Type prediction.
• Weather Alerts, Marketplace for Buying,Selling and Also Storage Facility
• **Technology Stack:** FastAPI, React, TensorFlow, Ethereum

Project OnboardX | An Intelligent Vechicle Monitoring System

Feb' 2025 - feb' 2025

• Real-time vehicle monitoring with anomaly detection and emergency alerts for road safety.
• **Technology Stack:** ESP32, Sensors, Raspberry Pi, FastAPI, React, Firebase

BluePulse | Smart Water Conservation System

Feb' 2025 - Feb' 2025

• Real-time water consumption tracking with AI-driven analytics and savings recommendations.
• **Technology Stack:** IoT, React, Machine Learning

QuestEd | Personalized Learning Platform

Feb' 2025 - Feb' 2025

• Adaptive learning platform integrating AI, gamification, and social learning for a personalized experience.
• **Technology Stack:** AI, React, FastAPI, Gemini API

QuickCart | E-Commerce App

Mar' 2025 - Mar' 2025

• Responsive furniture website with cart, payments, and a commenting system for seamless shopping.
• **Technology Stack:** React, FastAPI.

COURSEWORK

UNDERGRADUATE

Probability & Statistics
Object Oriented Design Principles
Operating Systems
Database Management Systems
Programming for Problem Solving
Data Structures and Algorithms

AWARDS

REDBULL BASEMENT

1st Postion - Winner

• An AI-based workout assistant that provides personalized exercise recommendations and real-time feedback.

TEM-E-THON'25

Top 10 Finalist

• Ranking among the Top 24 out of 300+ teams in Temenos' 24-hour hackathon by developing BluePulse, an innovative solution.

EENDURAVERSE' 25 HACKATHON

3rd - Position

Ranked among the Top 6 teams across India in Temenos' 3-day hackathon by developing Project-OnBoardX, an innovative solution.

SMART INDIA HACKATHON

• One amongQualified for the Smart India Hackathon.

CO-CURRICULAR

Video Editing
Cooking
Table Tennis
Cricket
Football

Smart-AgriCulture | Personalized Learning Platform

Mar' 2025 - April' 2025

• Smart agriculture system monitoring environmental factors and predicting outcomes for optimized farming.
• **Technology Stack:** ESP32, Firebase, FastAPI, React, Machine Learning

RoomiePay | Simplifying shared expenses

Feb' 2025 - Current

• Effortlessly split expenses among friends, track shared costs, and settle balances with ease.
• **Technology Stack:** FastAPI, SQL, React

Eco-eats | Waste Management Portal

Sep' 2024 - Oct'2024

• A Java-based platform connecting food providers and collectors to manage food distribution, track waste, and facilitate food requests efficiently.
• **Technology Stack:** Java, JavaFX, MySQL, JDBC

Vibeout | Emotion-Based Workout Assistant

Sep' 2024 - Sept'2024

• AI-powered platform with emotion detection and personalized nutrition tips for a healthier lifestyle.
• **Technology Stack:** React, Tailwind CSS, Google API, FastAPI, Node.js.

VOLUNTEER EXPERIENCE

Milan'24- National Level Fest

Mar' 2023 - Mar' 2023

• Organized and Conducted A 4-day Event Which had various things like hackathon, Workshops, Interacting With the Guests

Aarush'24- National Level Fest

Sep' 2023 - Sep,2024

• Organized and Conducted A 4-day Event Which had various things like hackathon, Workshops, Interacting With the Guests

CERTIFICATIONS

Complete Python Developer in 2023: Zero To Mastery

• Python programming, covering core concepts.

Python 101 for Data Science – Nov 2023

• Learned data analysis, visualization, and ML with Pandas & NumPy.

Programming in Java (NPTEL) – Nov 2024

• Mastered Java OOP, multithreading, and exception handling.

IoT Wireless & Cloud Computing

• Explored IoT, sensor networks, and cloud integration.

Database Systems (NPTEL) – Jan 2025 - Present

• Learning SQL, normalization, and transactions..

Supervised Machine Learning – Feb 2025 - Present

• Hands-on experience in regression & classification.