

# VARTUL CHANANA

Computer Science Student | Backend Developer

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## EDUCATION

Bachelor of Technology in Computer Science

University of Petroleum and Energy Studies (UPES)

Expected Graduation: 2025

## TECHNICAL SKILLS

Backend: Node.js, Express.js, MongoDB, PostgreSQL, Redis

Languages: JavaScript, TypeScript, Python, Java, C++

Tools: Docker, Git, AWS, Linux, Postman, NLTK, Pandas

## PROJECTS

Personal Finance Assistant - MERN Stack

- â€¢ Built comprehensive financial management system

- â€¢ Implemented real-time expense tracking and budget planning

- â€¢ Created automated categorization and data visualization

Voting Bank Analysis using Sentiment Analysis - Python, NLTK

- â€¢ Developed NLP system for sentiment and emotion analysis

- â€¢ Implemented bulk Excel processing for voter feedback

- â€¢ Custom keyword detection with intensifier handling

Smart Inventory Management System - MERN Stack

- â€¢ Built comprehensive inventory tracking system

- â€¢ Implemented automated alerts and demand forecasting

- â€¢ Created analytics dashboard with multi-location support