**Sunny Kumar**
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## INTRODUCTION

A passionate and adaptable **software developer** with a strong grasp of **mobile and web technologies**, driven by curiosity and a commitment to creating intuitive, scalable digital solutions. I specialize in **Flutter and Dart** for cross-platform app development, combining aesthetic UI design with robust backend integration. My experience spans **e-commerce, productivity, and educational applications**, where I've applied both creative problem-solving and practical engineering approaches. I bring a balance of **technical depth and collaborative spirit**, thriving in team environments that value innovation, clean code, and performance optimization. Constantly learning and evolving, I aim to contribute to impactful projects that merge technology with user experience excellence.

## EDUCATION

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|---|---|
| ●**PES University,Banglore,Karnataka**<br>  Master Of Computer Application | September 2024 September 2026<br>CGPA:8.48/10.00(Currently) |
| ●**Nims University**<br>  Bachelor Of Computer Application | July 2021 - March 2024<br>CGPA: 8.5/10.00 |
| ●**D.G.S.S Bokaro**<br>  Higher Secondary Education| Class-12th | JAC | June 2019 - May2021<br>Percentage: 68.8 |
| ● **Bokaro Ispat Vidyalaya 6/A**<br>  Secondary Education| Class-10th | CBSE | June 2017 - Mar 2018<br>Percentage: 64.2 |

## PROJECTS

**DAVIS – (Darvas, Volume, Sentiment Analysis)| College Major Project**
**Duration:** June 2025 – June 2026
 • Built an AI-driven investment analysis system for generating stock trading signals using Darvas Box Strategy
 • Combined Darvas Box, EMAs, Volume, Sentiment and Confident Score to find the stocks
 • Developed machine learning models to improve prediction accuracy
 • Implemented FastAPI backend for real-time analytics and APIs
 • Designed an interactive React dashboard for visualizing trends and signals
Tech Stack: Python, Pandas, NumPy, Scikit-Learn, FastAPI, React.js, PostgreSQL, Git

**Student Performance Prediction |** *Academic Project Link*
**Duration:** Jan 2025 –June 2025
● Built a **predictive system** to estimate students' **final grades (G3)** and **pass/fail status** using **machine learning**.
● Performed **data preprocessing**, including **label encoding**, **feature scaling**, and **train/test splitting** on the UCI Student Performance dataset.
● Developed **regression (Linear Regression)** and **classification (Logistic Regression)** models for grade prediction and pass/fail determination.
● Evaluated model performance using **Mean Squared Error** for regression and **accuracy score** for classification.
● Saved **preprocessing tools (scaler, label encoders)** and trained models using **Joblib** for deployment.
● Built an **interactive Streamlit application** allowing users to input student details and receive **real-time grade and pass/fail predictions**
● Delivered an **end-to-end, user-friendly platform** for predictive analytics in education.
**Tech Stack Used:** Python, Pandas, scikit-learn, Joblib, Streamlit, Matplotlib, NumPy

**Barber Appointment App |** *Academic Project Link*
**Duration:** Aug 2024 – Jan 2025
● Designed and developed a cross-platform barber appointment management application using Flutter, Supabase, and Riverpod.
● Streamlined appointment scheduling with features such as real-time barber availablity tracking, booking management, and automated notifications.
● Built an engaging and responsive UI with Flutter for both Android and iOS users.
● Utilized Riverpod for structured and maintainable state management.
● Integrated Firebase  for backend operations including authentication, database management, and REST API services.
● Ensured scalability and smooth performance through a cloud-native architecture.
● Delivered an efficient platform for both barbers and customers to manage appointments effortlessly.
**Tech Stack Used:** Flutter, Riverpod, Firebase

**Weather Application  Link**
● Built a real-time weather application integrating the OpenWeather REST API for accurate weather forecasting and live data updates.
● Enabled location-based search to provide users with instant weather conditions of any city.
● Focused on simplicity and user experience with a clean, responsive interface.
**Tech Stack Used:** Flutter, REST API (OpenWeather)

## Hobbies

● Fitness
● Watching Movies

## SKILLS

**Frontend:** React.js, JavaScript (ES6+), HTML5, CSS3
**Programming Languages:** Python, Java, Javascript, Dart
**Databases:** MongoDB, PostgreSQL, SQL
**Libraries & Frameworks:** React Router, Pandas, Scikit-Learn, OpenCV, Matplotlib
**Tools:** Git, GitHub
**CS Fundamentals:** Data Structures & Algorithms, OOPS, DBMS, Operating Systems, Computer Networks
**Soft Skills:** Communication, Teamwork, Problem Solving

## Coding Profile

-**Leetcode**
-**Portfolio**