

Sunny Kumar

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EDUCATION

Adelphi University

Bachelor of Science | Computer Science

Garden City, NY

December 2025

- **Relevant Coursework:** Algorithms and Complexity, Data Structures, Operating Systems, Web Development, C and C++ programming, Database Management Systems, Computer Architecture and Organization, Machine Learning, Mobile Application Development, Graphical User Interface Programming, Computer Networks

EXPERIENCE

Lead Programmer | Lua

July 2023 - August 2024

- Directed the implementation of game features, mechanics, and systems while adhering to project timelines.
- Provided technical guidance to team members and resolved complex coding challenges.
- Optimized game performance, reducing lag by approximately 30%, which resulted in a 25% increase in player retention and significantly enhanced overall gameplay experience.

PERSONAL PROJECTS

Personal Portfolio | [Portfolio](#) | React, JavaScript

- Incorporated JavaScript to add interactivity, enabling features like smooth scrolling, contact form, and interactive components.
- Portfolio is designed with a mobile-first approach, ensuring it looks and functions seamlessly on different devices and screen sizes.

Full Stack AI Blog Generator Web App | React, Node, Express, MongoDB, Gemini AI

- Built a full-stack web app that lets users generate complete blog posts using Gemini AI based on their own prompts and titles.
- Implemented secure user authentication using JWT, and built scalable RESTful APIs for blog management with Node.js, Express, and MongoDB.
- Designed a clean, responsive frontend with React that handles real-time feedback, form validation, and smooth user interactions.

NBA Player Performance Predictor | Python, pandas, numpy

- Developed a Python-based machine learning model to predict NBA player statistics (points, assists, and rebounds) using linear regression and data preprocessing techniques, achieving an accuracy of over 80%.
- Implemented advanced data cleaning and feature engineering to improve model accuracy and provide actionable insights.

AI Powered Waste Management App | React, Node, Express, MongoDB, Gemini AI

- Built an AI-assisted waste verification platform that rewards users for eco-friendly actions and waste collection reports with secure user authentication and authorization using JWT.
- Implemented an interactive community leaderboard and reward system to drive engagement and participation.

TECHNICAL SKILLS

- **Languages:** Java • JavaScript • Python • C • C++ • SQL • PHP • Lua • TypeScript • Kotlin
- **Frameworks/Libraries:** React • Tailwind • OpenCV • Panda • Scikit-learn • Nextjs • Nodejs • Express