

# AVNEESH DESHMUKH

SOFTWARE ENGINEER | C++ DEVELOPER | CAD & GEOMETRY SYSTEMS



## CONTACT

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## EDUCATION

**JUNE 2007 – MARCH 2019**  
**SWAMI VIVEKANAND**  
**ACADEMY, AURANGABAD**

- Passed with 97%

**JUNE 2019 – MARCH 2021**  
**MODERN JUNIOR COLLEGE,**  
**PUNE**

- Passed with 94.33%

**DEC 2021 – JUN 2025**  
**PES MODERN COLLEGE OF**  
**ENGINEERING, PUNE**

- B.E. (IT)
- Average CGPA – 9.32

## SKILLS

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

**C++ Skills:** STL, Multithreading (threads, mutexes, locks), Object-Oriented Design, Debugging

**Concepts:** OOP, DSA, SDLC, Agile Methodology

**Frameworks & Tools:** Django, Flask, Django REST Framework, React.js, Next.js, Node.js, Express.js, Firebase

**Databases:** MySQL, PostgreSQL, MongoDB, Firestore

**Dev Tools:** Visual Studio, Git, SVN, Linux, Postman, Vercel

## PROFILE

Motivated and detail-oriented Software Engineer with strong hands-on experience in modern C++, particularly in real-time, performance-critical systems. Proven ability to contribute to large-scale production codebases, resolve critical bugs, and optimize cross-platform stability. Strong foundation in data structures, algorithms, multithreading, and debugging. Experienced in Agile development, version control systems, and collaborating within distributed teams. Eager to contribute to production pipelines and develop tools that enhance productivity and quality.

## EXPERIENCE

- PTC Software India** JULY 2024 – JUNE 2025  
Software Development Intern, Creo R&D
  - Contributed to core modules of **Creo**, a world-class 3D CAD modeling solution, using **C and C++**.
  - Implemented geometry-intensive features and resolved critical CAD-specific bugs to enhance modeling robustness and stability.
  - Collaborated in **Agile** sprint teams; engaged in **code reviews**, sprint planning, and regression **debugging** with senior developers.
  - Focused on **performance optimization** and **memory safety** within a large-scale production codebase.
  - Gained hands-on experience with large-scale Windows development using Visual Studio and industry-grade codebases.
- Embel Technologies Pvt. Ltd.** JAN 2024 – MAR 2024  
Intern
  - Developed a **Bluetooth Low Energy (BLE) sensor framework** in **Python**, enabling real-time communication and data streaming between embedded devices.
  - Created a **Django-based web platform** to automate and streamline **technical interview processes**, improving throughput and evaluation accuracy.
  - Enhanced frontend UX/UI for internal blogs, **optimizing SEO and accessibility**.
  - Gained hands-on experience with **Linux CLI, Git, and Agile** standups for project tracking and collaboration.

## PROJECTS

### Treasure Map Academy – A Gamified Education Platform

Using Next.JS & Firebase

- Focus on tackling distractions in online learning.
- Consisting of two platforms – Learner & Creator

### Local Tour Guide Web Application

Using Django & SQLite3

- Features user registration, login, and authentication
- Users can explore tours, view local guides, and book experiences

### Chatroom Web Application

Using Django & AJAX

- Deployed using Vercel
- With functionalities like user login, signup
- User can create or join a chatroom

### Box Office Collection Prediction Model

Using SKlearn & NLTK

- Predicting revenues of movies based on attributes
- Mean Square Error of 0.95