

Nikhil Bansal

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Education

Bachelor of Technology, Computer Science

Punjab Engineering College,
Chandigarh
Class of 2019 (CGPA: 8.4)

Higher Secondary Education

Shishu Niketan Model Sr. Sec.
School, Chandigarh
2013 – 2015 (Percentage: 95.2%)

Technical Skills

Programming languages: C, OOP
with C++11, JAVA and C#

Tools & Softwares: Visual Studio,
Android Studio, Unreal Engine, Git

Graphics: OpenGL, GLSL

Web Technologies: HTML5, CSS3,
JavaScript, Spring Framework

DBMS: Microsoft SQL Server

Awards & Achievements

Runner Up, Mini—AU
Accolite Software Pvt. Ltd.
2018

Internship

Accolite Software India Pvt. Ltd., New Delhi

Software Developer Intern (January 2018 – June 2018)

- **IDERA's SQL Diagnostic Manager (SQLdm)**
 - Improved the performance of SQL Query Plan Collector Module and worked with technologies like C#, .NET Framework.
 - Worked on Defects Management team. Served as a Technical Support Engineer using JIRA and Salesforce CRM.
- **SQL Query Plan Viewer and EduThrill VUI Prototypes**
 - Designed and Developed the EduThrill Voice User Interface using JAVA and AWS (Alexa Skills).
 - Developed more functionality for the SQL Query Plan Viewer prototype using C# and .NET Framework

Projects

- **'Lone Survivor' - FPS Zombie Apocalypse game**
 - An FPS game with a soldier (player) surviving in a Zombie Infested City.
 - Features a few fun gameplay elements like **Dynamic Difficulty System**, **Rewards System**, etc.
 - Developed using C++, Unreal Engine 4 and Visual Studio.
- **'GraphX Rendering Engine' – 3D Rendering Engine**
 - Rendering Engine features an easy-to-use **Rendering API** capable of rendering 3D as well as 2D objects.
 - Also features an **Event Handling System**, **Lighting**, **virtual Camera** with a **Maths Library (GraphXM)**.
 - Developed using C++, OpenGL, Visual Studio, ImGui, spdlog, Assimp.
- **'Info Seeker' – An Android Application**
 - Shows information about various **Points of Interest** like *Labs*, on campus by scanning **QR codes**.
 - Developed the **Middleware** i.e. **API** for application's various functions, using Android Studio and JAVA.

Interests / Hobbies

- Cricket
- Video Games
- Watching Movies and TV Series
- Space Exploration and Astronomy