RANSHIV KUMAR

Brampton, ON | +1-647-402-0265 | ranshiv369@gmail.com |http://ranshiv.online |https://github.com/Ranshiv

Software Engineer

OBJECTIVE

A motivated and detail-oriented software engineering graduate seeking an entry-level position in software development. Eager to apply academic knowledge and internship experience to design, develop, and maintain innovative software solutions while contributing to team success.

EDUCATION

Diploma in Computer Programming
Georgian College, Toronto, ON
Graduation date: January 2025

Relevant Courses: Advanced programming using Java, Mobile Development, Web Development, Database Management, Linux System Administration.

GPA: 3.8

SKILLS

- Programming Languages: Python, Java, REST APIs, JavaScript, Scala.
- Web Development: HTML, CSS, React, Node JS, Express JS.
- Mobile Development: Android Studio, Kotlin, Flutter
- Databases: MySQL, MongoDB, MariaDB
- Tools: Git, Bitbucket, AWS, Azure, Docker.
- Operating System Development: Linux Kernel Development, Shell scripting
- Cybersecurity: Ethical Hacking, Penetration Testing
- Others: REST APIs, PowerShell, Command Prompt, Computer Architecture.

PROFESSIONAL EXPERIENCE

Software Developer
Webbers Live Solutions, India   2022-2023
- Developed and maintained a web application using Flask and Node.js, enhancing user experience and improving application speed by 20%.
- Collaborated with a team of 5 to implement RESTful APIs for seamless communication between frontend and backend.
- Conducted unit testing and debugging, ensuring 95% test coverage.
- Documented project workflows and provided technical support during deployment.

PROJECTS

Ryde (Uber-like Application)

- Developed a Remote Administration tool that is capable of hacking and attacking other PCs and internet compatible devices. It can be used to observe and remotely access the target user's PC.
- Integrated Google Maps API for real-time location tracking and route optimization.
- Developed secure payment processing functionality using Stripe.
- Implemented MERN stack and applied 2-Factor Authentication.

Management System using JavaFX.

- Designed management software using Java Swing, JavaFX, and MySQL.
- Learned and implemented the algorithms, concepts of Java FX frameworks, Java Swing Libraries.

RAT (Remote Administration Tool)

- Developed a Remote Administration tool that is capable of hacking and attacking other PCs and internet compatible devices. It can be used to observe and remotely access the target user's PC.

E-Commerce Website

- Designed an effective application interface in visual environment, implementing variables, data structures, database management, Web Components, and web connections.

Website Using Python

- Designed an interactive website using Python, MySQL, Django, Flask, Jinja, HTML5, CSS and JavaScript.

Google OAuth 2.0 Authenticator using Express JS, passport JS, MongoDB and NodeJS

- Developed a Google OAuth 2.0 authenticator using google APIs, google Cloud, and google client IDs. Here, MongoDB is used to store all the token data received from the user. Programming languages such as Node JS and Express JS is used and Passport Module from Node JS is used as well.

Gaming Website using APIs.

- Developed an independent Gaming website using HTML, CSS, JS, APIs. Different animations and videos are used to make it more optimized and user-friendly.

GPT Bot Using NodeJS

- Created a chatbot using NodeJS and APIs. That can interpret with the user and provide solutions and answers to their problems in real time.

CERTIFICATIONS & ACHIEVEMENTS

- CS50 – Introduction to Computer Science by Harvard University.
- 22nd rank in Resonance Institute Exam.
- Problem Solving (Intermediate) certification by HackerRank.
- Computer Foundations by AWS (Amazon Web Services).
- Intermediate Hacker by TryHackMe.

Books and Publications

- *Computer Architecture* by Ranshiv Kumar (Volume 1 and Volume 2), anticipated publication in 2025.