VAIBHAV GAUR

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EDUCATION

Bachelor of Technology, Computer Science Engineering   Expected 2023
Manav Rachna University.
CGPA(till 7th Semester) 9.0/10

Central Board of Secondary Education Class 12th Examination, St. John's School   2018 - 2019
Percentage - 82.2

Central Board of Secondary Education Class 10th Examination, St. John's School   2016 - 2017
CGPA - 8.4/10

EXPERIENCE

Software Engineer Trainee   Jan 2023 - Present
Monocept Consulting Pvt. Ltd.   *Currently Work From Home*

- Experience in MERN/MEAN stack development, with a focus on React, Angular,
  Node.js, Express, and MongoDB.
- Proficient in object-oriented programming principles, design patterns, and best practices.
- Familiarity with Spring, Spring Boot, and Hibernate frameworks for Java development.
- Strong understanding of web application architecture and design patterns.
- Experience in agile development methodologies and working in a collaborative team environment.
- Continuously learning and staying up-to-date with new technologies and industry trends.

Intern   July 2022 - September 2022
NITI Aayog Government Of India   *New Delhi,India*

- Prepared Reports on 2 Different Porjects.
- Researched on Innovation Ecosystem and Policies : Promoting Systemic Socio-economic
  Transformative Change.
- Researched on Fundraising Using Blockchain.

Cyber Security Trainee   April 2021 - July 2021
CISCO Networking Academy   *Virtual*

- Completed 3 certifications on Packet Tracer and Cyber-Security Essentials.
- Designed a secure network to link various networks and labs of our college.
- Remodeled the network to ensure maximum security, utilizing industry best
  practices and staying up-to-date with emerging threats and vulnerabilities.

SKILLS

Programming languages and frameworks:
C++, Java, Python, HTML, CSS, Bootstrap, React, Angular, EJS, Node.js, Spring, Spring Boot, Hibernate

Database management:
MongoDB, Mongoose, MySQL, DBMS

Software development tools and practices:
Data Structures and Algorithms, Git, GitHub, Postman

Cybersecurity tools and practices:
Kali Linux, Nmap, Netcat, Metasploit, Penetration Testing

PROJECTS

- **Fitness Finder**
  Designed and implemented a fully **Dynamic web-app** using **React JS and Rapid API** in which user can easily search about and gym related exercise, muscle target area and deployed it using **Netlify**. (Try it here)

- **Dynamic Youtube-like Web App using ReactJS and RapidAPI**
  Designed and implemented a fully **Dynamic web-app** similar to **Youtube** using **React JS and Rapid API** in which user can go watch videos of **specific youtuber** also able to see **number of subscribers and likes** and deployed it using **Netlify**. (Try it here)

- **Secure Login System with Node.js, MongoDB, and EJS**
  Designed and implemented a **secure login system** utilizing **Node.js, MongoDB, and EJS**, enabling users to easily register, log in, and submit confidential messages. Protected user's passwords using **salting and hashing techniques** and stored all data in the UserDB **database.**

- **Advanced Port Scanner using Python**
  Developed an **Advanced port scanner** using **Python** to scan for **open ports** on a given range of ports or all **65,535** ports by default, demonstrating expertise in network programming and proficiency in Python.

- **Real-Time Video Sketching using OpenCV and Python**
  Developed a **real-time computer vision project** using **OpenCV and Python** to **capture live video and convert it into a sketch**. This involved implementing various **image processing techniques** such as **edge detection, blurring, and thresholding** to create a high-quality output. The project demonstrates strong proficiency in computer vision algorithms, Python programming, and OpenCV library.

- **Real-time Face and Smile Detection using OpenCV in Python**
  Developed a **real-time computer vision project using Python and OpenCV** library to **detect facial features**, including face and smile detection, from live video input.

- **Blog Website**
  Developed a fully functional **blog website using Node.js, MongoDB, and Mongoose**. Designed and implemented a robust **backend functionality** to store and retrieve blog data efficiently. Demonstrated expertise in web development, Node.js, and database management using MongoDB and Mongoose.

CERTIFICATES

- **The Complete 2022 Web-Development Bootcamp**   May 2022 - August 2022
  By Udemy

- **Data Structures And Algorithms in C++**   May 2022 - August 2022
  By Coding Ninja

- **Cybersecurity Essentials**   April 2021
  By Cisco Networking Academy

- **Introduction to Cybersecurity**   April 2021
  By Cisco Networking Academy

- **Introduction to Packet Tracer**   April 2021
  By Cisco Networking Academy

- **Machine Learning Using Python**   June 2021 - July 2021
  By Udemy

- **MIT: 6.00.1x: Introduction to Computer Science and Programming Using Python**   June 2020 - August 2020
  By Edx

- **The Complete 2022 Web-Development Bootcamp**   September 2019 - November 2019
  By Internshala