Ankit Raj

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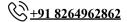
EDUCATION DETAILS

BE in Computer Science (CGPA - **7.66**)　　　　**Chandigarh University, Mohali**

Minor: Web Services & Cyber Security　　　　　**August 2017 - July 2021**

Relevant Coursework: Design & Analysis of Algorithms, Software Engineering, Fundamentals of Data Structure, Cyber Security.

ACADEMIC ACHIEVEMENTS

- **Selected** for NASA Astrobee Judging Contest and grabbed **2nd Position**.　　　　　- **2021**
- **Achieved** Globally **569** in Google Kickstart Round C out of 10500(top 5%) **- Certificate - 2020**
- **Cleared** HackerRank **Problem Solving(Advanced) Certificate - Certificate**　　- **2020**
- Under the **top 25** teams in India and selected for the Onsite contest at NIT Jaipur　- **2018**
- **All-India Rank of 1** in Arduino-based Contest.　　　　　　　　　　　　- **2017**
- Max CodeChef Rating **- 1700** under handle **honesthacker**

WORK EXPERIENCE

Plivo (SDET)　　　　　　　　　　　　　　　　　　July 2023 - Present

- **Collaborating** closely with **cross-functional** teams to identify and rectify critical issues in early development stages, resulting in a **significant reduction** in post-release bugs.
- **Developing** and **executing** comprehensive test plans, ensuring the robustness of software products across multiple platforms, contributing to an elevated user experience.
- **Demonstrating** a dynamic blend of **quality assurance** and **development** expertise to drive excellence in project outcomes.

HackerEarth (SDET)　　　　　　　　　　　　　　March 2022 - July 2023

- **Reduced** test execution time by **66%** and **eliminated flaky tests** by implementing a **POM-based** framework using **Playwright**.
- **Built** a dashboard for internal metrics like **issues**, **failure rate**, **deployment** etc**.** using **React** and **AWS services** like **dynamo DB**, **lambda function**, and **s3** hosted on AWS as a **serverless web app**.
- **Developed** a **framework** based on the **mocha** for **auditing 100 webpages** of the internal & external HackerEarth web pages using **Lighthouse**.
- **Building robust, scalable, and high–quality** test automation solutions for **functional**, **regression**, **performance testing** and **contract testing.**

rtCamp (QA Engineer)　　　　　　　　　　　　　Aug 2021 – March 2022

- **Manual Testing** and **automation testing** on the WordPress Site.
- **Created 200+ test plans and test cases**, including performance test plans and security test plans.
- **Developing** and **maintaining** test frameworks.

ManKiBaat Pvt. Ltd. (Chief Technical Officer)　　　May 2020 – March 2021

- **Led the development team** that created the platform for AI-driven mental pocket doctors.

- **Worked with a team of designers and developers** to build a platform to provide support to patients having mental issues like anxiety, or depression.

MAJOR PROJECTS

1. ## CU-Chapter Website [Link] [GitHub Link]
   - **Developed** and **deployed** a cutting-edge **ReactJS**-based web app, serving as the central hub for CU-Chapter information; streamlined access to resources, events, and member engagement, increasing participation by **40%** in the first quarter.
   - **Engineered** a **streamlined job application portal** within the app, utilizing **ReactJS & NodeJS** for a smooth user experience.
   - Demonstrated proficiency in **ReactJS**, **Tailwind CSS**, **HTML**, **CSS**, **JavaScript**, and **NodeJS** to deliver a responsive web app.

2. ## Jira Wizard [Link] [GitHub Link]
   - **Orchestrated** an end-to-end solution merging an intuitive **Gatsby**-based frontend with a robust **Node.js** backend, streamlining the **process of importing and generating Jira issues** from **external sources**.
   - Fortified **data security** and **confidentiality** by skillfully integrating comprehensive user **authentication** and **authorization protocols** into the system architecture.
   - Seamlessly **synchronized data transmission** by architecting sophisticated **RESTful API** endpoints.

3. ## Test Case Generator [Link] [GitHub Link]
   - **Spearheaded** the development of an **Automated Test Case Generation tool** for Competitive Programming (CP), revolutionizing the testing process.
   - Engineered the project using the **NextJS** framework, harnessing the capabilities to create a powerful and responsive user interface.
   - This cutting-edge tool **ingests input data, constraints, and specific test case conditions**, seamlessly generating a **comprehensive suite of test cases**.

TECHNICAL SKILLS

- **Coding Languages:** C, C++, Python
- **Web:** JavaScript, HTML, CSS, Bootstrap, Material UI, jQuery, NodeJS, ReactJS, ExpressJS
- **Cloud: Familiar** with AWS, Firebase, Google Cloud
- **API:** REST API, Postman
- **Database:** MongoDB, PostgreSQL, MySQL, DynamoDB
- **Software Testing:** Manual Testing, Automation Testing(Selenium, Jest, Cypress, Mocha, Playwright), Visual testing with BackstopJS
- **Test Management Tool:** Bugzilla, Test Rail, Jira
- **CI/CD:** CircleCI, GitHub Actions
- **Environment:** Windows, Linux, Mac
- **Version Control:** Git, GitHub, GitLab, BitBucket

POSITIONS OF RESPONSIBILITY

Teaching Assistant - CGC Landran Mohali – March 2021

- Served as a **Teaching Assistant** for the CSE students. Provided advice, and guidance and shared my experience and expertise.

Student Mentor - Chandigarh University, Mohali – August 2019 – July 2021

- Served as a **Student Mentor** for the CSE Department First-Year Students.

LEADERSHIP SKILLS

- Organised 20+ Hackathons, and coding contests at Chandigarh University.
- Lead and Tech Coordinator of star event **Chandigarh University Techfest 2020, 2018**