RITHYAM PATHAK

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EDUCATION

- **National Institute of Technology, Silchar** — Assam, India
  Bachelor of Technology - Electronics and Instrumentation Engineering; CGPA: 8.39 — *July 2020 - June 2024*
- **Little Flower House** — Varanasi, India
  HSC ; Percentage/CGPA: 85.6 — *July 2017 - June 2019*
- **Divine Sainik School, lahartara** — Varanasi, India
  SSC ; Percentage/CGPA: 9.4 — *July 2007 - June 2017*

INTERNSHIP EXPERIENCE

- **S.N Bose Summer Internship NIT Silchar** — Onsite
  Summer Intern (Full-time) — *April 2023 - Present*
  - Proposed a novel approach to classify diseases in tea leaves using Convolutional Neural Networks.
  - Learnt Data Augmentation and Contour Selection using Augmentor and OpenCV.
  - Achieved an accuracy of 91% in initial phases.

PROJECTS

- **Algorithms Visualizer**
  Solo project — *May 2022 - August 2022*
  - Developed a website that helps in visualizing various Sorting and Path Finding Algorithms.
  - Implemented merge, quick, selection, bubble, insertion sorting algorithms.
  - Implemented path finding visualizers in a grid using BFS and Dijkstra's Algorithm to trace the shortest path on the grid between the source and destination cells.
  - Technologies and Tools used - CSS, HTML, JavaScript, Sorting Algorithms, Graph Algorithms
- **Online Code Compiler**
  Solo project — *April 2023 - Present*
  - Developed a user friendly Online Code Compiler using React, Nodejs and MongoDB.
  - Support multiple languages such as C++, Python.
  - Technologies and Tools used - React.js, NodeJs, MongoDB, Bootstrap, Chrome Developer Tools, Mongoose, Git.

SKILLS

- **Languages**:   C++, JavaScript, C
- **Platforms**:   Linux, Web, Windows, MATLAB, LABView
- **Soft Skills**:   Leadership, Event Management, Writing, Time Management

POSITION OF RESPONSIBILTY

- **Entrepreneurship Cell - NIT Silchar** — NIT Silchar
  Design Co-Head — *June 2022 - July 2023*
  - Led the design team within the Entrepreneurship Cell, providing guidance to a team of 20 designers.
  - Designed engaging event posters, and social media graphics, contributing to a 20% increase in event attendance.
  - Organized sessions for members of the design team, enhancing their design skills and fostering a culture of continuous learning.
- **Gyansagar - NIT Silchar** — NPO
  Design Head — *June 2022 - July 2023*
  - Employed user-centered design principles to create user-friendly websites and interfaces for online platforms.
  - Bring grass root changes through educational outreach, IT education, innovative projects at NIT Silchar.
  - Taught student of 9th and 10th during COVID19 in GyanOnline Module

HONORS AND AWARDS

- **Codeforces** — Max-Rating: 1351 || **Leetcode** — Max-Rating: 1771
- Secure a **Global rank 1581** in Google KICKSTART Round D 2022.
- Scored **378414 points** in Google Hashcode 2022.
- Solved 1200+ question over various platform **Codeforces** || **Leetcode** || **Interviewbit**
- Interviewbit Batch Rank 1st among 2024 batch and All time Institute rank 6th

OTHER INTERESTS/EXTRACURRICULAR ACTIVITIES

- **Event Head in Tecnoesis** - Pitching competition under Empresario Module 'PITCH YOUR WAY'.
- **Marketing Team Srijan**- Managed and worked in North-east biggest E-summit as Marketing team.
- SIH Hospitality Team