# ABRAR KHAN ALVI

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abrar-khan-alvi | Abrar Khan Alvi |

## EDUCATION

**Bachelor of Science (B.Sc.) in Computer Science & Engineering**     **2021 - Current**

*Ahsanullah University of Science & Technology (AUST), Dhaka*
- Field of study: **Computer Science & Engineering**
- CGPA: **3.636/4.00** (till 4th year 1st semester)

**Higher Secondary Certificate (H.S.C)**     **2018 - 2020**

*Government City College, Chattogram*
- Field of study: **Science**
- GPA: **5.00/5.00**

**Secondary School Certificate (S.S.C)**     **2012 - 2018**

*Bakalia Government High School*
- Field of study: **Science**
- GPA: **5.00/5.00**

## COMPETITIVE PROGRAMMING

- **Ranked 1$^{st}$ in Intra AUST Programming Contest (IAPC) Fall'21**
  - **Team:** *AUST_VIGILANTES*
- **Ranked 5$^{th}$ in Intra AUST Programming Contest (IAPC) Spring'22**
  - **Team:** *AUST_VIGILANTES*
- **Ranked 257$^{th}$ in the National Collegiate Programming Contest (NCPC) Preliminary 2023**
  - **Team:** *AUST_VIGILANTES*
- **LeetCode**
  - **Handle:** *https://leetcode.com/u/abrar1khan2*
- **CodeChef (Max Rating: 1414 )**
  - **Handle:** *https://www.codechef.com/users/alvi_saaheb*
- **Codeforces ( Max Rating: 1041 )**
  - **Handle:** *https://codeforces.com/profile/alvi_saheb*

## WORK EXPERIENCE

**Intern Web Developer | Gao Teck Ltd. (Remote)**     **April 2025 - August 2025**
- Develop custom WordPress themes using WordPress, HTML, PHP and JavaScript.

## PROJECTS

**AUST Overflow**     **(Github)**
- Developed a full-stack Q&A platform using ASP.NET MVC, JavaScript, and Firebase to enable user-driven content and community interaction.

**OpenIUMS**     **(Github)**
- Developed a comprehensive Android application using Java and Firebase to streamline the open credit system for universities.

**Prompt Verse**     **(Github)**
- Engineered a decentralized application using Next.js, TypeScript, and Solidity to create a marketplace for AI prompts as NFTs. The platform features on-chain transactions, automated creator royalties (EIP-2981), and decentralized metadata storage via IPFS on a private Besu network.

## PROJECTS

**AI Chat Bot** **(Github)**
- Developed a React based AI chat application using Vite, providing an interactive and AI-powered chat interface similar to ChatGPT.

**AUST Nanosatellite Lab Website** **(Github) (Live)**
- Working on the development of software systems for the AUST Nanosatellite Program, which focuses on designing and building a nanosatellite.

**Silent Signal – Embedded System Project** **(Github)**
- Designed and built a noise-reduction system using Arduino (C++) and NRF sensors to mitigate unnecessary car horn honking in urban environments.

## SKILLS

- **Languages:** C++, Java, JavaScript, HTML/CSS, PHP, Solidity
- **Frameworks & Libraries:** React.js, Node.js, Next.js Tailwind CSS
- **Databases & Tools:** MongoDB, Firebase, Git, Adobe Illustrator, Adobe Photoshop

## RESEARCH & PUBLICATIONS

**Preserving Ownership and Trading of AI Prompts in Decentralized Manner via Hyperledger Besu-Based Blockchain and IPFS-Backed NFTs** **(Link)**
- First author of this paper published at IEEE Xplore and presented at the 2nd International Conference on Next-Generation Computing, IoT, and Machine Learning (NCIM 2025)

## EXTRACURRICULAR ACTIVITIES

- Vice President, AUST Programming & Informatics Club
- Researcher & Programmer, AUSTSat Nano Satellite Program
- Organizer of 'AUST CSE CARNIVAL 5.0'
- Head Of Organizing of 'AUST IUPC 2025'
- Organizer of 'AUST Job Fair 2025'
- Volunteer, Bangladesh Open Source Network - BdOSN
- Judge, Bangladesh Open Source Network - BdOSN

## AWARDS AND ACHIVEMENTS

- Top 10 Finish in SUST Hackathon organized by SUST SWE Technovent (January 2023)
- $2^{nd}$ Place in the Junior Category, Intra AUST Programming Contest (IAPC)
- $5^{th}$ Place in the General Category, Intra AUST Programming Contest (IAPC) organized by AUST Programming & Informatics Club
- $8^{th}$ Place Participated in the Senior Category at IAPC (Intra AUST Programming Contest)
- Achieved AUST Merit Scholarship in $1^{st}$ year $1^{st}$ semester and $1^{st}$ year $2^{nd}$ semester for the brilliant result

## ADDITIONAL INFORMATION

- **Languages:** Bangla, English
- **Hobby:** Playing Video Games, Singing & Playing Guitar and Traveling,