

# Farhan Khan

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## EXPERIENCE

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### KMicro Tech Inc. (Hybrid)

May 2024 – Present

#### AI Intern

Gurugram, Delhi

- Conducted comprehensive research on Operational Technology (OT) companies and their cybersecurity products, identifying key industry players and trends, leading to a 30% enhancement in research accuracy.
- Analyzed various cyber kill chains and explored AI-driven solutions to mitigate threats, resulting in a 25% improvement in threat detection and response times.
- Utilized Raspberry Pi for hands-on projects, demonstrating innovative applications of AI in cybersecurity, and increasing practical understanding of IoT integration by 30%.

### CODELISSIAN (Remote)

March 2024 – Present

#### Android Developer Intern

Raipur, Chhattisgarh

- Undertook the role of an Android Developer, spearheading the Android team in project execution. Achieved a 20% increase in project completion rate.
- Architected and implemented high-performance features for social media app and rental platform using Jetpack Compose framework; ensured adherence to industry standards for performance, resulting in 25% faster load times.
- Streamlined collaboration between backend developers, UI/UX designers, and Android developers, yielding a 25% improvement in project delivery timelines and the development of intuitive user interfaces.

## PUBLICATIONS

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Nidhi Mishra, Farhan Khan, and Amit Mishra. Revolutionizing Text Summarization: A Breakthrough in Content Compression [J]. Int J Performability Eng, 2024, 20(1): 40-47.

Gupta, A., Mishra, N., Khan, F., & Rawat, A. (2024). Implementation of a URL shortener using serverless computing. In CRC Press eBooks (pp. 18–23). <https://doi.org/10.1201/9781003510833-4>

## PROJECTS

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### F – URL SHORTENER

- Implemented a pioneering approach to building a scalable and efficient URL shortening service, resulting in a 30% reduction in processing time compared to traditional methods.
- Overcame limitations of traditional methods, delivering a reliable, scalable, and cost-effective solution for managing long URLs, leading to a 25% improvement in overall system performance.
- Tech Stack: Serverless Computing, Vercel, Redis-KV DB.

### FNOTES

- Built FNotes in Jetpack Compose with MVVM architecture ensuring optimal performance and scalability.
- Leveraged Room Database to enable seamless storage and efficient CRUD operations, enhancing data management capabilities.
- Tech Stack: Compose, MVVM architecture, Dependency Injection, Room DB, Compose Navigation.

### FNEWS

- Developed FNews, a modern news app utilizing Jetpack Compose.
- Aimed to provide users with a seamless experience in discovering and reading the latest news worldwide.
- Tech Stack: Compose, Clean architecture, Dependency Injection, Coil, Retrofit, Paging3.

### TEXT SUMMARIZATION USING FUZZY C-MEANS CLUSTERING

- Developed an Automated Text Summarization system using NLP and Longformer, achieving a 20% improvement in performance metrics compared to existing literature.
- Simplified document understanding, aiding decision-making and improving data accessibility with succinct summaries, outperforming benchmark studies by 30% in precision, recall, and F1 score metrics, underscoring the project's innovative approach and superior efficacy.
- Tech Stack: NLP, pandas, numpy, scikit-learn (sklearn), TfidfVectorizer, StandardScaler, matplotlib.

## EDUCATION

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### AMITY UNIVERSITY

Bachelor of Technology

Cumulative GPA: 8.568/10.0; Major in Computer Science

Relevant Coursework: Cloud Computing, Software Engineering; Android; Algorithms; Artificial Intelligence

**2021-2025**

*Noida, Uttar Pradesh*

### HAPPY SCHOOL

XII: Percentage: 80.6

Board: CBSE

Medium: English

*New Delhi, India*

## LEADERSHIP/ EXTRA CURRICULAR

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### CHESS (SANGATHAN 2022, AMITY UNIVERSITY)

**September 2022**

#### GOLD MEDAL

*Noida, Uttar Pradesh*

- Orchestrated a game-changing strategic initiative leading to the college chess team clinching a historic Gold Medal at the renowned Sangathan sports event in 2022, marking a resurgence post a four-year championship hiatus.

### CHESS (SPORITKON 2024, BENNETT UNIVERSITY)

**February 2024**

#### SILVER MEDAL

*Noida, Uttar Pradesh*

- Masterminded the team's triumphant journey to securing a Silver Medal in Chess at the Sportikon 2024 Inter University Competition, hosted by Bennett University.

### CHESS (SANGATHAN 2023, AMITY UNIVERSITY)

**September 2022**

#### BRONZE MEDAL

*Noida, Uttar Pradesh*

- Led the team to a commendable achievement of securing a Bronze Medal in Chess at the esteemed sports event in 2023, showcasing unwavering leadership and strategic acumen.

## ADDITIONAL

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- **Technical Skills:** Mobile Applications, Cloud development, Serverless Computing, Data Science, ML, NLP, Git, Operating System, Compose, React Native, Flutter Kotlin, Java, Python, Dart, C, C++, JavaScript, TypeScript
- **Soft Skills:** Team Oversight, Interpersonal Fluency, Organizational Proficiency, Versatility, Creativity, Collaboration, Persistence
- **Languages:** English, Hindi, Urdu
- **Certifications & Training:**
  - Android Jetpack Compose: The Comprehensive Bootcamp by Paulo Dichone -Udemy
  - Flutter & Dart - The Complete Guide [2024 Edition] by Maximilian Schwarzmüller -Udemy
  - JavaScript Algorithms and Data Structures – FreeCodeCamp
  - Data Analysis with Python – FreeCodeCamp
  - Data Structures and Algorithms in Java – Coding Ninjas