

# Md Asif Siddiqui

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## Technical Summary

Graduate student in Digital Media (M.Sc.) with strong foundations in software engineering, machine learning, and applied AI. 2+ years of industry experience in full-stack development (Angular, ASP.NET) and academic projects in ML/NLP. Proficient in Python and ML libraries (scikit-learn, NumPy, OpenCV, Pandas); comfortable with Git, REST APIs, and agile teamwork. Applied ML to real-world tasks such as smoking status prediction, content relevance detection, and text classification. Emerging experience in computer vision: familiar with segmentation, classification, OpenCV, and CNN-based workflows. Strong collaborative and self-learning mindset; eager to apply AI to robotics, marine vision, and interdisciplinary projects.

## Work Experience

### ifib - Institut für Informationsmanagement Bremen

Bremen, Germany

STUDENT ASSISTANT FRONT-END DEVELOPER (DATA VISUALIZATION)

01 July 2025 - Continuing

- Maintain front-end design using React, Material-UI, and other frameworks and libraries
- Participating in project management and teamwork for Agile development
- Proficient in RESTful APIs, PostgreSQL, and Git, with a heavy emphasis on efficient deployment.

### AjkerDeal.com Ltd.

Dhaka, Bangladesh

SOFTWARE ENGINEER

23rd July 2018 - 19th November 2020

- Delivery Tiger Merchant Panel using Angular
- Third-party project and API integration
- Admin panel development using AngularJS
- Ajkerdeal Web and mobile platform development
- Database - creating stored procedure

## Skills

<b>Programming Languages</b>	Python, JavaScript, SQL, Java, ASP.NET
<b>Data Science &amp; ML</b>	Predictive Modeling, EDA, Data Cleaning, Feature Engineering, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
<b>Computer Vision (Basic)</b>	Image classification, segmentation, OpenCV, feature extraction, CNN basics
<b>Natural Language Processing</b>	Text Classification, Sentiment Analysis, Named Entity Recognition (NER), Keyword Matching, Relevance Evaluation, Lang
<b>Web Development</b>	React, Angular, HTML, CSS, Bootstrap, ASP.NET MVC, Web API
<b>Databases</b>	PostgreSQL, MySQL, MS SQL Server
<b>Dev Tools &amp; Platforms</b>	Git (GitHub, GitLab), VS Code, Jupyter Notebook, REST APIs, Figma, Linux/Windows
<b>Collaboration &amp; Workflow</b>	Agile Development, Project Coordination, Version Control, Git Branching
<b>Languages</b>	Bangla (Native), English (Fluent), German (Basic)

## Projects & Source Code (GIT)

### • CSS4Impact – Web Data Scraping & Relevance Evaluation Tool (Master's Project):

Developed a client-focused scraping and evaluation system to extract news content from specified portals. Applied NLP and machine learning techniques such as keyword matching, relevance classification, and language modeling to assess content alignment with predefined keyword sets. Achieved 97% accuracy in matching client criteria.

**Tools:** Python, BeautifulSoup, scikit-learn, NLTK, SpaCy, Jupyter Notebook

### • Smoking Status Prediction Using Machine Learning:

Built a predictive model using Korean National Health Insurance data to classify individuals' smoking status. Performed data cleaning, exploratory data analysis, feature engineering, and statistical modeling. Identified key influencing variables (e.g., gender, height, triglycerides) and evaluated multiple ML algorithms.

**Tools:** Python, Pandas, NumPy, scikit-learn, Matplotlib, Jupyter Notebook

**Link:** [github.com/mdasif-siddiqui/smoking-prediction](https://github.com/mdasif-siddiqui/smoking-prediction)

## Certification & Training

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### Certified Ethical Hacker(Certificate Number: ECC98651327754)

E-COUNCIL, USA

Dhaka, Bangladesh

*Dhaka, Bangladesh*

*26th May 2017 - 25th May 2020*

### Fundamental of the JAVA program, Java SE 6

ORACLE ACADEMY

Dhaka, Bangladesh

*Daffodil International University*

*2014-2015*

## Honors & Awards

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### INTERNATIONAL

2025 **Scholarship**, DAAD Scholarship for Voluntary work

*University of  
Bremen, Germany*

2024 **Scholarship**, DAAD Scholarship for Voluntary work

*University of  
Bremen, Germany*

### NATIONAL

2017 **Participant**, Power Energy Hackathon

*Dhaka, Bangladesh*

2015 **Participant**, National Hackathont

*Dhaka, Bangladesh*

## Education

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### M.Sc. in Digital Media

UNIVERSITY OF BREMEN

*Bremen, Germany*

*2021 - Continuing*

### B.Sc. in Software Engineering

DAFFODIL INTERNATIONAL UNIVERSITY (DIU)

*Dhaka, Bangladesh*

*2013 - 2017*

## Extracurricular Activity

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### Bangladesh Student Community, Bremen (BSCB)

FORMER PRESIDENT

- Communication build up with Kompass (Universiät Bremen).
- Manage financial support and activities
- Organized various cultural and educational programs.

*Bremen, Germany*

*2023-2024*

### Daffodil International University Robotics Club(DIURC)

FORMER GENERAL SECRETARY

- Arranged different types of Robotics competitions, Project fairs.
- Organized various Training programs.

*Dhaka, Bangladesh*

*2016*

### Cyber Security Centre(CSC), DIU

CORE MEMBER

- Reformed the society focusing on software engineering and building network on and off campus.
- Organized various IT-related programs.

*Dhaka, Bangladesh*

*2016 - 2020*