

# NAHURIRA COLLIN BLESSING

## Full Stack Developer

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📍 Mbarara, Uganda

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## Objective

Innovative full-stack developer with expertise in data-driven solutions, AI integration, and system design. Passionate about leveraging technology to enhance education, science, and community-driven innovation. Seeking to contribute my technical skills and problem-solving abilities to impactful projects in a global organization.

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## Skills & Abilities

**Frontend Skills:** React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Redux, Context API, Responsive Web Design, RESTful API Integration, UI/UX Design, MUI.

**Backend Skills:** Node.js, Express.js, PostgreSQL, Python, PHP, Java, Sequelize ORM, MySQL, MongoDB, API Development, Authentication (JWT, OAuth), Redis, Docker, WebSockets, Git, System Design, Data Analysis, AI Integration.

**Mobile Development:** Android Development (Java), API Integration.

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## Experience

### Full Stack Developer

📍 *Mbarara University of Science and Technology | 2024 – Present*

- Developed and maintained the university management system (SIMS) by implementing robust front-end and back-end functionalities. Designed and integrated APIs, improved system performance, and collaborated cross-functionally to deliver efficient solutions.
- Technologies used: **Php, Bootstrap 4, PostgreSQL, and Gitlab**

## Full Stack Developer (Intern)

 *Softcodes Uganda Limited* | 2022 – 2024

- Contributed to full-stack development for internal software applications. Gained hands-on experience in web development, database management, and API integration.
  - Technologies used: **Django, React.js, Node.js, and MySQL**
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## Projects

### **FAST(Faculty of applied Science) Research Platform (2024 – present)**


- FAST is a comprehensive platform for managing student research across the faculty. It enables efficient tracking of research projects, provides a centralized database for archiving results, and stores academic information for the faculty. The system enhances research management, ensuring seamless access to past and ongoing projects while preserving critical academic data.
- Technologies used: **Postgresql, ReactJS, NodeJS, ExpressJS**

### **DERUSAT(Dementia Research and Speech Annotation Tool) (2024 – present)**

- DERUSAT is a system designed for managing linguistic data to aid dementia research. Participants access English audios, translate them, record their speech, and upload the files. Admins review and approve submissions for quality. The collected data is then used to train an AI model that analyzes speech patterns to detect early signs of dementia, leveraging **NLP** and **machine learning** for early diagnosis.
  - Technologies used: **ReactJs, NodeJs, MongoDB, ExpressJs, AI, Python**
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## Education

### **Bachelor of Science in Computer Science**

 *Mbarara University of Science and Technology* | 2021 – 2024

- Relevant Coursework: **Implementing Geofencing Technology to promote Blood Donation in Uganda**

### **Uganda Advanced Certificate of Education**

 *Cleverland High School, Mbarara | 2019 – 2020*

## Uganda Certificate of Education

 *St. John Fisher Ibanda Secondary School | 2014 – 2018*

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## Certifications

- **Certificate in Artificial Intelligence and Machine Learning** – Refactory Academy, 2024
  - **Data science** – University of Michigan (Coursera Based), 2024
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## Languages




- **English** – Native
  - **Kiswahili** – Beginner
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## References




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