



EduNavigator

AI-Powered University Selection Platform

Navigating your academics to the perfect campus

THE TEAM

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Agenda

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- AI Opportunities
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The Problem: Overwhelming University Choices



"Isn't it overwhelming to choose the right university for yourself?"

- Thousands of university options
- Different eligibility criteria per institution
- Constantly changing admission cut-offs
- Budget constraints and financial considerations

Why restrict AI in education to just tutoring? When it can also empower students to find the right path by making informed university choices, reducing stress, and saving valuable time.



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Why This Matters

University selection is a [crucial decision](#) that shapes a student's entire future:

- University selection shapes a student's career trajectory and future opportunities
- It's a high-stakes decision with long-term personal and professional impacts
- By applying AI, we make this journey personalized, accessible, and stress-free
- Ultimately helping students make smarter choices with confidence



Key Challenges

- ☒ Thousands of universities and programs confuse students
- ☒ Hard to track requirements for each institution
- ☒ Most resources are only in English
- ☒ Current portals give generic results, not tailored to the student
- ☒ Students spend weeks researching without clear direction



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Opportunities for AI in University Selection



AI can transform the university selection process from overwhelming to empowering:



Personalized Matching

Match students with best-fit universities based on academic profile and preferences



Admission Probability

Use AI to estimate chances of acceptance at various institutions



Instant Filtering

Instantly filter and rank universities by multiple criteria, saving significant time



Accessible Guidance

Make informed decisions easier for all students regardless of background



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INTRODUCING

EduNavigator

An AI-powered platform designed to make university selection easy,
personalized, accessible, and stress-free for every student.



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How EduNavigator Works

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EduNavigator is an AI-powered platform designed to simplify the university selection journey through a personalized, data-driven approach.



Student Input

Students provide academic profile, budget, course preferences, and location interests



AI Processing

The AI analyzes data and matches student profiles with university requirements



Personalized Results

- Filters & shortlists best-match universities
- Ranks options by eligibility, affordability & quality
- Predicts admission chances
- Recommends scholarships & next steps

By automating search and analysis, EduNavigator transforms a time-consuming, confusing process into a clear, personalized, and efficient experience.

Key Features Overview



Profile-based Matching

Shortlists universities based on marks, budget, course, and location preferences

Smart Ranking System

Ranks universities by eligibility, affordability, and personal fit

Admission Prediction

AI-powered probability scores to guide realistic applications

Scholarship Recommendations

Suggests relevant financial aid opportunities for students

24/7 Virtual Assistant

Always available to answer queries and provide guidance

Automated Task Handling

Instantly filters, compares, and generates personalized lists



User Personas



Undergraduate & Postgraduate Students

Students actively searching for best-fit universities based on their academic profile, budget, and preferences.



PhD & Research Aspirants

Researchers seeking institutions that align with their specific research interests and faculty expertise.



Parents/Guardians

Family members exploring educational options and support systems for their child's academic journey.



Educational Counselors

Professionals using AI-powered insights to effectively guide multiple students through the selection process.



Typical Use Cases



☒ Student Profile Matching

A B.Tech student enters grades, budget, and course preference. AI generates a shortlist of eligible universities.

☒ Admission Probability Check

AI provides acceptance likelihood based on past trends and applicant data, helping students make realistic application choices.

☒ PhD Research Alignment

A PhD aspirant inputs research interest (e.g., Biomedical AI). AI suggests universities with strong labs, publications, and faculty in that field.

☒ Scholarship & Funding Guidance

AI recommends fellowships, assistantships, and financial aid opportunities tailored to the student's profile.

☒ 24/7 AI Assistant

Always available to answer queries and provide personalized guidance throughout the university selection journey

Data Requirements, Privacy & Security



☒ Types of Data Needed

- Student Profile Data: grades, preferences, budget
- University Data: admission criteria, rankings, fees
- Historical Admission Trends: cut-offs, success rates
- Research Data: faculty expertise, lab focus

☒ Data Sources

- University websites & official portals
- Public datasets (government/education boards)
- University partnerships for structured data
- User inputs during profile setup

☒ Privacy & Security

- User Consent: student-controlled sharing
- Encryption: secure data storage & transfer
- Anonymization: no personal identifiers shared
- Compliance: GDPR & data protection norms
- Transparency: users can view/edit/delete data



AI Technologies Powering EduNavigator



Large Language Models

- ✓ OpenAI GPT, Perplexity API
- ✓ Natural language Q&A
- ✓ Conversational guidance



Natural Language Processing

- ✓ OpenAI, Cohere, Hugging Face
- ✓ Extract key student profile details
- ✓ Multilingual accessibility



Machine Learning

- ✓ Scikit-learn / TensorFlow
- ✓ Admission probability prediction
- ✓ Learns from historical trends



Data Analysis & Ranking

- ✓ Python + Pandas / APIs
- ✓ Process university data
- ✓ Automate university ranking



Recommendation Systems

- ✓ API-driven suggestion engine
- ✓ University & scholarship matching
- ✓ Netflix-style recommendations



Knowledge Graphs

- ✓ Map faculty-research relationships
- ✓ Research-aligned university finder
- ✓ Future development scope



Competitive Analysis

How EduNavigator compares with other AI-powered educational tools

Tool	General Q&A	Admission Predictions	Personalization	Research/PhD Alignment
Perplexity	✓ Strong	✗ Limited	🟡 Partial	✗ No
CollegeAI	🟡 Partial	✓ Strong	🟡 Partial	✗ No
GoToUniversity, YesChat	🟡 Partial	🟡 Partial	🟡 Partial	✗ No
EduNavigator	✓ Strong	✓ Strong	✓ Strong	✓ Strong

Our Standout Edge:

- Comprehensive solution that combines conversational AI, personalized recommendations, and admission predictions
- Unique PhD-level matching based on research interests, faculty expertise, and lab focus
- Scholarship suggestions tailored to student profiles
- 24/7 AI assistant for continuous guidance and support

Development Timeline: 5 Phases

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Phase 1: Design & Research

Scope Definition: UG, PG, PhD aspirants

UI Mockups in Figma/Canva

Static HTML/CSS landing page

Phase 2: Backend Setup

Express.js + Node.js backend

OpenAI & Perplexity API integration

MongoDB/Firebase database setup

Phase 3: Frontend Development

React.js interactive interface

Home page & dashboard implementation

University filter & comparison functions

Phase 4: AI Integration & Testing

AI chatbot & ranking implementation

Testing with sample student queries

API security & environment setup

Phase 5: Deployment

Backend deployment (Render/Railway)

Frontend launch (Vercel/Netlify)

Demo video & documentation

From concept to launch: EduNavigator's development roadmap



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Impact: Before vs. After EduNavigator



BEFORE

Without EduNavigator

- ⌚ Hours wasted browsing multiple websites
- ⌚ Confusion due to changing cut-offs, fees, and eligibility
- ⌚ Lack of clarity for PhD/research-oriented students
- \$ Reliance on expensive consultants or incomplete online info
- ⚠️ Overwhelming process = stress + missed opportunities

AFTER

With EduNavigator

- ⌚ One-stop AI platform for all university searches
- ⚡ Instant, personalized recommendations (UG, PG, PhD)
- ⌚ Transparent info: eligibility, fees, deadlines, scholarships
- ⌚ Saves time, money, and effort
- ⌚ From confusion to clarity — empowering confident choices



Future Roadmap



EduNavigator's strategic expansion plan for continued growth and innovation:

☒ Global Expansion

Support universities worldwide with localized data and multilingual interface

☒ Application Assistance

Auto-fill forms, deadline reminders, and document checklists for easy applications

☒ Advanced Analytics

Track success rates, admission trends, and personalized insights

☒ Peer Community

Connect students with mentors, alumni, and peers for guidance and support

☒ Voice-based AI

Full voice interaction for accessibility and enhanced user experience

☒ Career Pathway Integration

Connect education choices to future career opportunities and industry demands

Summary & Next Steps

Key Takeaways

- EduNavigator simplifies the overwhelming journey of university selection through AI-powered matching and personalization
- Transforms a time-consuming, confusing process into a clear, efficient experience
- Provides tailored recommendations for undergraduate, graduate, and PhD students
- Features admission predictions, scholarship matching, and 24/7 guidance
- Bridges the gap between student potential and educational opportunities

From Confusion to Clarity

"EduNavigator navigates your future and guides you to the perfect campus."



Ready to Transform Education Journey